



INDIA INTERNATIONAL SCIENCE FESTIVAL 2017



Ministry of
Earth Sciences
Govt. of India



Ministry of
Science & Technology
Govt. of India



INDIA INTERNATIONAL SCIENCE FILM FESTIVAL

14-16 October 2017

During the
India International Science Festival 2017
13-17 October 2017

FESTIVAL BOOK



13-17 October, 2017

presents

India International Science Film Festival
14-16 October, 2017

Venue

Delta Auditorium and Rosette Convention Centre
National Centre for Sustainable Coastal Management (NCSCM)
Anna University Campus, Chennai - 600 025, India

Published by
Vigyan Prasar
Department of Science and Technology
A-50, Institutional Area, Sector - 62
NOIDA - 201309 (Uttar Pradesh), India
(Regd. Office: Technology Bhawan, New Delhi - 110016)
Email: nsff.vp@gmail.com
Website: <http://vigyanprasar.gov.in>

Copyright: 2017 by Vigyan Prasar
All rights reserved

Conveners: Dr Phani Kumar V Sistla, Mr Nimish Kapoor

Editor: Mr Nimish Kapoor

Associate Editor & Designer: Mr Niket Mehta

Editorial Assistant: Mrs Chavi, Mr Chandan Singh Adhikari

ISFF URL: <http://scienceindiafest.org/international-science-film-festival.html>

Contents

Introduction : India International Science Film Festival (IISFF) 2017	:	1
Programme	:	2-8
Jury, Special Invitees / Experts, Screening Committee, IISFF 2017	:	9-21
Jury Members	:	9-11
Special Invitees / Experts	:	12-18
Screening Committee	:	19-21

Category A - Competitive Films made by Professional Film Makers /Institutions

1.	Affordable Drugs for All	:	23
2.	Discovery of Rhododendron Forest	:	24
3.	Do Not Honk	:	25
4.	E-Waste	:	26
5.	Farmers of the Future	:	27
6.	Forest Fire ... A Man Made Disaster	:	28
7.	Grandma's Forest	:	29
8.	Hariman Apple - A Hope for India	:	30
9.	Naula : Water Temple of the Himalayas	:	31
10.	Out in the Open	:	32
11.	Packages for Farmers Prosperity	:	32
12.	Satyendra Nath Bose	:	34
13.	Techstart	:	35
14.	The Loss of Western Ghats	:	36
15.	The Tale of Blue Blood (Preventing Toxicology Unit)	:	37
16.	#TullaDozingTheBull@Zojila	:	38
17.	Indian National Centre for Ocean Information Services	:	39

Category A - Non-Competitive Films made by Professional Film Makers / Institutions

- | | | | |
|----|---|---|----|
| 1. | Solar Energy for a Healthy Life | : | 41 |
| 2. | Neuroscience Research Lab of PGIMER, Chandigarh | : | 42 |

Category B - Competitive Films made by College / School Students

- | | | | |
|-----|--|---|----|
| 1. | Accessible Science | : | 44 |
| 2. | A.W.S.M. (Automated Waste Segregating Machine) | : | 45 |
| 3. | D3ST!NY | : | 46 |
| 4. | Ek Aasha Ki Kiran | : | 47 |
| 5. | Oneness with the Infinite | : | 48 |
| 6. | Renovative Development | : | 49 |
| 7. | The Choice | : | 50 |
| 8. | Where has the Sparrow gone? | : | 51 |
| 9. | SWWAMPURNA | : | 52 |
| 10. | Manjal Neerattu | : | 53 |

Foreign Films selected for Screening

- | | | | |
|----|---|---|----|
| 1. | The Taste of Korea - The Taste of Seoul, A Special Tune in Namdaemun | : | 55 |
| 2. | The Taste of Korea - Cheonggukjang and Tofu, The soybean as the king of ingredients | : | 55 |
| 3. | Exploring Korean History - Hanbok, Korea's Scientific Masterpiece | : | 56 |
| 4. | Exploring Korean History - Technique to manage fire and heat, Ondol | : | 56 |
| 5. | Brain Overload | : | 57 |
| 6. | Immerstar, Virtual Reality Platform | : | 57 |
| 7. | Euro-Argo: towards a sustained European contribution to Argo | : | 58 |
| 8. | Métagenopolis version anglaise | : | 58 |
| 9. | Biomaterials - patent solutions from nature | : | 59 |

10.	Intelligent Systems - computer learn to understand the world	:	59
11.	She Started It	:	60
12.	The Adaptable Mind	:	60
13.	Hidden Figures	:	61
14.	Sweden, Leading the World in Innovation	:	61
15.	Importing garbage for energy is good business for Sweden	:	62
16.	In Sweden, cash is no longer king	:	62
17.	Reducing the burden of injury in Australia and India	:	63
18.	Quantum Computing	:	63
19.	Fuck Fossils - Future you don't want	:	64
20.	Preventing HIV risk in Southern Africa	:	64
21.	Changing the policy mindset on cycling	:	65
22.	30 Years of Healing the Ozone Layer - How it all happened	:	65
23.	Guglielmo Marconi, the man, the scientist and the inventor	:	66
24.	The Sea at the end of the Earth	:	66

India International Science Film Festival

14th -16th October 2017

Venue: NCSCM Auditorium, Anna University, Chennai

As part of the India International Science Festival (IISF) 2017, a three-day India International Science Film Festival is being organised during 14th to 16th October 2017 at National Centre for Sustainable Coastal Management (NCSCM), Anna University Campus, Chennai.

The science film festival seeks to promote scientific temper among masses and aims at attracting talented young science filmmakers and science enthusiasts. Science film is an effective tool for science communication to foster and create an excitement of science amongst people at large. The film festival offers an opportunity for students and other participants to get involved with the process and improve their understanding of various feats in science and technology.

Internationally acclaimed 24 science films from nine countries including Australia, France, Germany, Italy, Korea, Norway, Sweden, UK, USA will be screened during the festival.

India International Science Film Festival is partnering with Economic & Social Research Council-UK; The Natural Environment Research Council-UK; Research Council UK India; Science & Innovation Network-British High Commission; CNR WEB TV-Italy; National Research Council-Italy; Max-Planck Institute-Germany; Australian Government; 20th Century Fox-USA; Embassy of Sweden in India; French Cultural Institute; Embassy of France in India; Royal Norwegian Embassy in India; Embassy of the Republic of Korea, India.

A science film competition for Indian film makers (professional and student categories) is being organised during the festival with the following themes: Science for New India; Science and Sustainable Development; Swachh Bharat–Swasthya Bharat; Technology and Innovations; Climate Change – Challenges & Solutions.

Total 89 science films from Indian film makers (47 films in professional category and 42 films in student category) were received. Shortlisted 29 Indian science films will be screened in the film festival and a Jury will select films for IISF Science Film Awards 2017 in professional and student categories. Film makers will be awarded with cash, trophy and certificates. Following cash awards were announced: Category A (films made by professional film makers) First Prize - Rs. 1,00,000/-; Second Prize - Rs. 75,000/-; Third Prize - Rs. 50,000/-. Category B (film made by school / college students) First Prize - Rs. 50,000/-; Second Prize - Rs.30,000/-; Third Prize - Rs. 20,000/-.

Master Classes / Interactive sessions on various aspects of science & environment films will be organised during the film festival by eminent science communicators and filmmakers from Discovery Channel, BBC, Ramoji Film City, AJK MCRC. Themes of the Master Classes include (i) Content Research & Visualisation for Science Films; (ii) The World of Science Films; (iii) Science Films: Story Telling Aspects; (iv) Pre to Post Production aspects of Environmental; (v) Science Film Making. A Panel Discussion on Effective Science Communication through Videos will be conducted during the film festival and (vi) Scripting for Science Films.

Professionals, student film-makers and science enthusiasts will be able to interact and get sensitised for using science films as a means to science communication and serving the nation.

3rd India International Science Film Festival 2017

India International Science Festival 2017

14th – 16th October 2017

organised by

**Vigyan Prasar, DST; National Institute of Ocean Technology;
MoES & MoST, Govt. of India and Vijnan Bharati**

Venue:

**Delta Auditorium (ground floor) and Rosette Convention Centre (first floor)
National Centre for Sustainable Coastal Management (NCSCM)
Anna University Campus, Chennai 600 025**

Partner countries: Australia, France, Germany, Italy, Korea, Norway, Sweden, UK, USA

PROGRAMME

DAY 1: 14th October 2017

Delta Auditorium

Time	Activity
0900 - 1000	Registration
1000 - 1100	Inaugural session Screening of inaugural film
1100 - 1130	Tea
1130 - 1330	Screening of foreign films with remarks by the country representative
1330 - 1430	Lunch
1430 - 1630	Screening of foreign films with remarks by the country representative
1630 - 1700	Tea
1700 - 1800	Screening of foreign films with remarks by the country representative

Rosette Convention Centre

Time	Activity
1430 - 1630	Master Class: Environmental Film Making by Mr Himanshu Malhotra , Sr. Science Film Maker & Environmentalist, New Delhi and Dr Sabina Kidwai , Associate Professor, AJK MCRC, Jamia Millia Islamia, New Delhi; followed by interaction on Environmental Films produced by NCSCM with Prof. Dr Ramesh Ramachandran , Director, NCSCM and Dr Purvaja Ramachandran , Scientist G, FTR - Futuristic Research Division, NCSCM
1700 - 1800	Master Class: Science Film Making by Mr Siva Kumar M. , Head, Direction Department, LV Prasad Film & Television Academy, Chennai

DAY 1: Screening of the foreign films
Delta Auditorium

S.no.	Films' title	Duration	Language	Director*/Producer**	Country
1.	The Taste of Korea - The Taste of Seoul, A Special Tune in Namdaemun	00:22:40	Korean	YTN Science PD, Chang limYoo**	South Korea
2.	The Taste of Korea - Cheonggukjang and Tofu, The soybean as the king of ingredients	00:21:20	Korean		
3.	Exploring Korean History - Hanbok, Korea's Scientific Masterpiece	00:40:22	Korean	YTN Science PD, In-Sik Park**	
4.	Exploring Korean History - Technique to manage fire and heat, Ondol	00:39:52	Korean		
5.	Brain Overload	00:51:57	English	Laurence Serfaty*	France
6.	Immerstar, virtual reality platform	00:07:28	English	Pierre-Oliver Gaumin*	
7.	Euro-Argo: towards a sustained European contribution to Argo	00:04:21	English	E.Mamaca - O.Dugornay - P.Moret*	
8.	Métagenopolis version	00:08:49	English	Pélican Prod*	

	anglaise				
9.	Biomaterials - patent solutions from nature	00:08:36	English	Massih Media and Max-Planck-Gesellschaft, Generalverwaltung, München**	Germany
10.	Intelligent Systems - computer learn to understand the world	00:08:56	English		
11.	Sweden, Leading the World in Innovation	00:05:00	English	Embassy of Sweden in India, New Delhi**	Sweden
12.	Importing garbage for energy is good business for Sweden	00:04:00	English		
13.	In Sweden, cash is no longer king	00:02:35	English		
14.	Reducing the burden of injury in Australia and India	00:01:58	English	Australian Government**	Australia
15.	Quantum computing	00:02:46	English		
16.	Fuck Fossils - a future you don't want	00:05:09	English	Marianne Kleven*	Norway
17.	Preventing HIV risk in Southern Africa	00:05:08	English	Economic & Social Research Council, UK**	UK
18.	Changing the policy mindset on cycling	00:03:40	English		
19.	30 Years of Healing the Ozone Layer - How it all happened	00:02:46	English		
20.	Guglielmo Marconi, the man, the scientist and the inventor	00:14:36	Italian	CNR WEB TV, National Research Council (Cnr), Italy**	Italy
21.	The Sea at the end of the Earth	00:17:46	Italian		

DAY 2: 15th October 2017
Delta Auditorium

Time	Activity
1000 - 1100	Screening of Indian films - Competitive Category A with remarks by Film-maker
1100 - 1130	Tea
1130 - 1330	Screening of Indian films - Competitive Category A brief remarks by Film-maker
1330 - 1430	Lunch
1430 - 1630	Screening of Indian films - Competitive Category A with remarks by Film-maker
1630 - 1700	Tea
1700 - 1800	Screening of Indian films - Competitive and Non-Competitive Category A with remarks by film-maker

Rosette Convention Centre

Time	Activity
1130 - 1330	Master Class: The World of Science Films by Mr Pankaj Saxena , Film-maker, Television Programmer & Media Academician; Formerly Vice President, Discovery Channel & Head of Programming, BBC Worldwide Channels
1430 - 1530	Interactive session: Jury's view on competitive films of IISFF 2017 Prof. Shambhu Nath Singh - Chairman Mr Pankaj Saxena - Member Mr Himanshu Malhotra - Member Dr Deepika Bhaskar - Member
1530 - 1630	Master Class: Content Research & Visualisation for Science Films by Mr Nandan Kudhyadi , Sr. Science Film-maker
1700 - 1800	Master Class: Scripting for Science Films by Prof. Shambhu Nath Singh , Director, School of Journalism and New Media Studies, IGNOU, New Delhi

DAY 2: Screening of films - Competitive Category A
(Films made by Professional Film-makers / Institutions)
Delta Auditorium

S.no	Films' Title	Duration	Language	Director / Producer
1.	Affordable Drugs for All	00:10:01	English	Asrar Shamsi / Super-ads Media
2.	Discovery of Rhododendron Forest	00:15:23	English	Lovita J R Morang / Donyi-Polo (Asia) Film Production
3.	Do Not Honk	00:10:31	Hindi	Ishrat Jahan M G Nawaz
4.	E-Waste	00:15:22	English	Chandra Kumar P.H. / EMMRC, University of Mysore
5.	Farmers of the Future	00:10:42	English	Rishu Nigam/TERI, New Delhi
6.	Forest Fire... A Man Made Disaster	00:23:30	English	K.Gopinath & Keerthi Kumer S.M. / EMMRC, Mysore
7.	Grandma's Forest	00:21:36	English	G S Unnikrishnan Nair
8.	Indian National Centre for Ocean Information Services	00:22:28	English	Sanjay Giri / Indian National Centre for Ocean Information Services
9.	Hariman Apple - A Hope for India	00:24:47	Hindi	Nitin Yaduvanshi / No Mind Films Production
10.	Naula : Water Temple of the Himalayas	00:17:57	Hindi	Shriniwas Oli
11.	Out in the Open	00:16:15	English	Seema Muralidhara / TERI
12.	Packages for Farmers Prosperity	00:16:36	English	Asrar Shamsi / Super-ads Media
13.	Satyendra Nath Bose	00:24:59	English	Shila Datta / Vigyan Prasar
14.	Techstart	00:20:32	English	Matiur Rahman / Indo-US Science & Technology Forum
15.	The Loss of Western Ghats	00:23:28	English	Biju Pankaj / Mathrubhumi News
16.	The Tale of Blue Blood (Preventing Toxicology Unit)	00:20:04	Hindi	Rajendra Vishwakarma / EMRC, Sagar, MP
17.	#TullaDozingTheBull@Zojila	00:25:59	English	Jalal Ud Din Baba / Ultimate Horizons, J&K

**DAY 2: Screening of Films - Non-Competitive
Delta Auditorium**

Sno.	Films' Title	Duration	Language	Director / Producer
1.	Solar Energy for a Healthy Life	00:08:40	English	Satish Pande / Advertising Limited & Comfed Productions Pvt. Ltd.
2.	Neuroscience Research Lab of PGIMER, Chandigarh	00:07:00	English	Dr Akshay Anand / Chintan Sareen

**Day 3: 16th October 2017
Delta Auditorium**

Time	Activity
1000 - 1130	Screening of Indian films - Competitive category B with remarks by film maker
1130 - 1200	Tea
1200 - 1400	Screening of foreign films with remarks by the country representative
1400 - 1600	Lunch
1600 - 1800	Valedictory Programme and Award Ceremony of IISF 2018 at main pandal in Anna University Campus

Rosette Convention Centre

Time	Activity
1000 - 1130	Welcome address by Dr Asheesh Shah , Chief Coordinator, IISF 2017 Panel Discussion: Effective Science Communication through Videos Dr Manoj Patariya , Director, CSIR-NISCAIR, New Delhi - Moderator / Chair Dr C. M. Nautiyal , Former Scientist, BSIP, Lucknow Dr Suparna Dutta , BIT Mesra, Noida Campus Mr Shekar Dattatri , Sr. Film Maker, Chennai Mr Srinivaas , Sr. Film Maker, Chennai Mr Arun Chidambaram , Sr. Film Maker, Chennai Dr S. Arulchelvan , Dept. of Media Sciences, Anna University
1130 - 1200	Tea
1200 - 1400	Master Class: Science Film Making: Story Telling Aspects by Shri Santosh Pandey , Senior Producer, ETV Bharat; Formerly Head of Department, Digital Film making and Television Production, Ramoji Academy of Film & Television, Ramoji Film City, Hyderabad

DAY 3: Screening of films - Competitive Category B
(films made by school / college students)

Delta Auditorium

S.no.	Films' Title	Duration	Language	Director / Producer
1.	Accessible Science	00:05:00	English	Ananya Jain / DREAMS Foundation
2.	A. W. S. M.	00:05:08	English	Suyash Shreshtha
3.	D3ST!NY	00:09:56	English	Laxya Pahuja / Rishav Sharma
4.	Ek Aasha Ki Kiran	00:07:05	English	Sreedevi Murthy / Utpal Shanghvi Global School
5.	Oneness With The Infinite	00:08:55	English	Arjak Bhattacharjee / IIT Kanpur
6.	Renovative Development	00:07:32	English	Aravind Kishore R / University College of Engineering - Dindigul , Anna University
7.	The Choice	00:07:46	English	Priyanka Dasgupta
8.	Where Have The Sparrow Gone	00:09:58	Marathi	Rushikesh Daud / Deogiri Institute of Engineering and Management Studies
9.	Swaampurna	00:09:45	English	Neeti Kesarwani / BIT Mesra, Noida Campus
10.	Manjal Neerattu	00:06:11	English	Didimos Johnson P / IIRBS, MG University

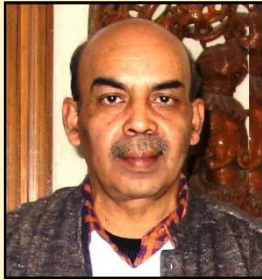
DAY 3: Screening of foreign films
Delta Auditorium

S.no.	Films' title	Duration	Language	Director*/Producer**	Country
1.	She Started It	00:60:00	English	Insiyah Saeed, Nora Poggi*	USA
2.	The Adaptable Mind	00:11:00	English	Tiffany Shlain*	
3.	Hidden Figures	02:07:00	English	Theodore Melfi* 20 th Century Fox**	

* * * * *

Jury, India International Science Film Festival 2017

Prof. Shambhu Nath Singh Chairman, Jury, IISFF 2017



Prof. Shambhu Nath Singh has two decades of experience in the field of journalism and more than a decade long experience as a media academic.

As a media professional he has worked in positions like Political Editor, Associate Editor, Executive Editor, Assistant Editor, etc. and regular columnist in well-known newspapers such as the Hindustan, the Nav Bharat Times, the Jansatta, the Dainik Bhaskar etc. besides being editor and regular contributor to many journals and magazines.

In the field of academics, Prof. Singh has held senior positions such as Vice-Chancellor, Director, Professor, Senior Professor and Visiting Professor.

A winner of Sahityakar Award (2002-2003) and Harmony Award (1997) for note worthy contribution in the field of Hindi Journalism. Prof. Singh has also represented India at various prestigious International forums.

A Doctorate from JNU, he has also served as a Vice-Chancellor of Patna University. He has also been the Visitor's nominee for a few Universities and the Chancellor's nominee for another few. He has served as Member of Selection Committees for senior faculty positions in various other Universities/ academic institutions. Also he has been Member of Curriculum Design Committees, Finance Committees etc., of Central / State Universities.

He has been associated with National Assessment and Accreditation Council (NAAC) as member/ expert of peer team for assessment of Universities and resource person for training the assessors. He was a Member of Technical Advisory Committee (TAC) of Ministry of Minority Affairs.

He has also served in various Committees like Advisory Panel, Censor Board of Film Certification (CBFC), Media for Science & Environment, Hindi Advisory Committee, Task Force on Broadcasting Services Regulation Bill and the Content Code, Core Committee on Standardisation of Media Education-an initiative by Press Council of India for development of National Media curriculum framework, Evaluation Committee of Central Hindi Directorate, M.H.R.D. GOI to select outstanding books (published) for "Education Award (Shiksha Puraskar)".

He is the founder Director and Professor, School of Journalism and New Media Studies, Indira Gandhi National Open University, New Delhi. He initiated as a Director of SOJNMS of IGNOU certain MoUs / MoAs with UNESCO; Deutsche Welle, Germany; Commonwealth Educational Media Centre for Asia (CEMCA); Asian Media Information and Communication Centre (AMIC), etc. Presently he holds the position of the Director in the School.

Mr Pankaj Saxena
Member, Jury, IISFF 2017



Pankaj Saxena is a film maker, television programmer, electronic media consultant, film academic and writer. An alumnus of Film and Television Institute of India, Pune, Pankaj has written, edited, directed and produced over a hundred documentaries, short fiction films, television programs, public service advertisements and news stories. In a professional career spanning over three decades, he has held senior management positions including those of Vice President at Discovery Channel, Head of Programming at BBC Worldwide Channels and Executive Director at Lok Sabha TV.

In course of his film making and television programming assignments, he has extensively traversed the globe, been a regular at television markets like MIPCOM at Cannes, BBC Showcase at Brighton/Liverpool and Real Screen Summit at Washington DC. He is held in high esteem by the international broadcasting fraternity. He has been teaching at institutes/ Universities all over India. He is on the selection panel and board of studies panel of many of institutes. He has served on the jury of a wide range of film festivals and awards. He is on the Advisory committee of the Kashmir World Film Festival. Currently, he is busy traveling across the country conducting Film Appreciation Courses as a part of Skilling Indian in Film and Television (SKIFT) initiative of the Film and Television Institute of India.

Mr Himanshu Malhotra
Member, Jury, IISFF 2017



Mr Himanshu Malhotra, is a qualified filmmaker with a post graduate degree from the prestigious Mass Communication Research Centre, Delhi in collaboration with York University, Canada. He has recently received the Prithvi Ratna Award at the CMS Vatavaran Film Festival 2015. He was Felicitated by the Government of West Bengal for helping in Saving a Tigress in Sundarbans.

His company 'Multi Media' has done work for various organizations like TRAFFIC India, World Wide Fund for Nature, India, UNDP, UNDCP, Swedish SIDA, US Fish & Wildlife, Ministry of Environment, Forest & Climate Change, etc. He specializes in environment and wild life film making. He is an environmentalist and is deeply involved with various issues of wildlife and environment. His work has brought about major changes in policies and implementations.

Dr Deepika Bhaskar
Member, Jury, IISFF 2017



Dr Deepika Bhaskar is the Coordinator of Centre for Science Education and Communication at the University of Delhi. She also serves as Deputy Dean Research at the Research Council and Coordinator of Innovation Desk of the University along with being an Associate Professor in Biochemistry. She has been organizing various very successful training programmes for young students and faculty members in the area of Science

Communication, Science Journalism and Scientific Writing. She is the DST nominee of Science Communication chapter of Indian Science Congress. She is also the member of International Network of Public Communication of Science and Technology. She has served as Academic Secretary of Centre for Professional Development in Higher Education and Associate Coordinator for Life Sciences at the Institute of Lifelong Learning. She actively propagates Academic Integrity and Research Ethics through her talks and has active involvement in public engagement of science and global reach of updated scientific knowledge generated in research laboratories.

Ms Monika Guati
Member, Jury, IISFF 2017



Ms Monika Gulati is working as Programme Executive in the External Service Division of All India Radio, which has a reach to nearly 140 countries through short wave and is present globally through live streaming on the internet. She has experience of twenty four years in conceptualizing, recording and broadcasting programs.

She has conducted live broadcasting shows on Radio on topics like global warming, swine flu, epidemic, women health, education, awareness, and many more. She has hosted regular radio program for women which focused on their overall development and growth. She has conceptualised and produced features on personality profiles of around hundred women achievers of the nation, many of them are of historical importance. She designs the Radio Magazines on latest scientific and technological activities of India for the global listeners of AIR. She has produced radio magazines featuring Indian Achievements of Science & Technology in 2016, features on 'SolarPower Tree' – an Indian Innovation aimed at utilizing minimum land to harness maximum Solar Energy, Waste to Wealth - a radio feature on developing Fuel from plastic waste, India develops world's first leprosy vaccine, Indian Space Research Organisation engaged in the pre-launch of the first student satellite named, 'Pratham', Green Nanotechnology, Cloud computing, Robotics, Fog computing and many more topics.

Special Invitees / Experts, India International Science Film Festival 2017

Dr Manoj Kumar Patairiya



Dr Manoj Kumar Patairiya is Director of the CSIR-National Institute of Science Communication and Information Resources, New Delhi. Earlier he was Additional Director General of Doordarshan/ All India Radio in Prasar Bharati, where he was responsible for setting up Kisan TV Channel. He also served as Channel Head of DD Kisan and DD Sports.

A well accomplished scientist, communicator and media personality, Dr. Patairiya has served as Adviser/ Scientist 'G' in Department of Science & Technology, Govt. of India and Director, National Council for Science & Technology Communication, prior to his assignment in Prasar Bharati. He is decorated with prestigious national and international awards.

He has co-edited widely acclaimed books: *"Sharing Science"* and *"Science Meets Communication"* and coordinated 144 part Radio Serial *"Human Evolution"* in 18 Indian languages and 10 part TV Series *"Hopper Race"*. He is a Visiting Professor at National University of South Korea and University of Sao Paulo, Brazil. Recently he has been elected as Vice Chair of International Inter-Academy Group on Science Communication.

Mr Santosh Pandey



Santosh Kumar Pandey is a versatile professional and a team builder with over 15 years of industry experience in television medium, including well over a decade long organizational experience in programming, news and channel management.

A passionate programmer with an ability to ideate, create, execute and sell the concepts. Deft at managing television content from concept generation to efficient telecast. Launched, shaped, and led 4 pioneer regional satellite channels in Hindi heartland; Etv UP, Etv Bihar, Etv MP and Etv Rajasthan. Also Led Mahuaa Media Network, the leading infotainer in the belt of Bihar, Jharkhand and Uttarpradesh states as News Editor.

Presently a freelance consultant on content with a soon to launch life style channel and heading the television wing of Ramoji Academy Of Film And Television. Currently he is a Freelance consultant on content and Head of Television Division, Ramoji Academy Of Film And Television.

Mr Sivakumar Mohanan



A graduate in Mathematics and an alumnus of Film and Television Institute of Tamilnadu is currently working as Head of Direction Department of L V Prasad Film and Television Academy. He has directed and produced over 120 films that includes Corporate AV, Documentaries, Commercials, NGO films and short films. First senior producer in CDIT, Trivandurm between 1990 -93, during this period he has produced over dozen films on Popular Science and development issues. His films Sasthra Gauthagam, a science magazine program and Declining Birth rate – Lessons from Kerala won awards from Government of Kerala. His film “Pesticide Trap who is trapped? Pest or Peasant” and “Nano Magic” were screened in Mumbai International film festival for short and documentaries (MIFF). He served as selection committee member for International Competition Section of MIFF 2012 and National Competition Section of MIFF 2016.. He has authored 4 books on cinema in Tamil. His recent book is “Cinemavin Irandam Nootrandu” (Cinema's Second Century). Worked as II unit director and an AD in two international productions; founder secretary of Chennai Film Society; involved in teaching film direction and script writing over the last ten years by giving workshops, masterclasses and guest lectures in various educational institutions in and outside Tamilnadu.

Mr Nandan Kudhyadi



Nandan Kudhyadi has more than sixty-five documentaries to his credit on varied subjects. Several of them have won top national awards, and have been screened at various international film festivals like Cinema du Reel, Tokyo, Brussels, Vancouver, Pusan, Hawaii, Karlovy Vary and others. His much talked about film RASAYATRA has won the Golden Lotus National Award for the Best Non-feature Film of the year 1995, for ‘its sensitive and imaginative transposition of music, into a dignified cinematic expression’. It also won the Jury’s Special Mention at the Brussels festival. It was chosen for the NHK Asian Film Festival at Tokyo, as also for the INDOMANIA Festival at Paris. It has traveled all over the world as part of the NETPAC Asian Discovery Selection -1996.

Nandan Kudhyadi graduated from the Faculty of Fine Arts, M S University of Baroda before specializing in film direction at the famous Film & Television Institute of India at Pune. He has worked with celebrated international filmmakers like Michelangelo Antonioni and Krzysztof Zanussi, apart from Mani Kaul and Ketan Mehta.

As Director of ISB&M School of Media, he conceptualized and established the Post Graduate Program in Media Management. This two-year course has three specializations, i.e. Communication Management & Advertising, Broadcast Management & Journalism and Media Management & Production. He was the Senior Professor of Film Direction at Whistling Woods International promoted by the Bollywood icon, Subhash Ghai. He was until a few years ago, member of the Academic Council of the Film & Television Institute of India, Pune.

Dr Sabina Kidwai



Dr Sabina Kidwai is an Associate Professor at AJK Mass Communication research centre, Jamia Millia Islamia, New Delhi. Her specialized area of work is editing which includes both film and digital editing. She has done considerable research work. She has co-authored two publications on the subject of Women and Political Participation. She has done a study on the "Images of Muslim women" for WISCOMP

(Women in Security, Conflict Management and Peace), produced under the "Scholar for Peace" Fellowship. She has received the UGC Minor grant for a research project on Television News. She has also been a resource person and coordinator for many workshops to train TV journalists from African countries and Afghanistan conducted at AJKMCRC for the Ministry of External Affairs. She has conducted various workshop for national and international students. She has been part of jury at various film festivals, examiner for various colleges and Universities etc. She is a member of a six women collective called Mediastorm which has produced three films on gender and social issues. Mediastorm was also the recipient of the Chemali Devi Award and the Award for Communal Harmony.

Prof. Ramesh Ramachandran



Prof. Ramesh Ramachandran is the Director of the National Centre for Sustainable Coastal Management, Ministry of Environment, Forest and Climate Change, Government of India. His expertise includes coastal zone management, climate change, coastal biogeochemistry and nutrient management. Ramesh is the current chair of UNEP's Global Partnership on Nutrient Management (GPNM) and past Chair of Future Earth

Coasts [formerly known as Land Ocean Interactions in the Coastal Zone (LOICZ)], which is a core project of the Future Earth. Ramesh has been involved in several national and international expert committees on coastal zone management. He has successfully executed several flagship research studies which include cumulative environmental impact assessment, demarcation of coastal/ marine ecologically sensitive areas of India, assessing the status of shoreline change for the coast of India, offshore wind energy potentials etc. He has over 115 refereed publications to his credit and has authored and edited books relating to coastal biogeochemistry and coastal vulnerability. Ramesh's expertise has evolved from a pure science-based research focus to a science-policy interface for effective coastal zone management in India. He has supervised about 85 Post Graduate students and 20 Doctoral students. Ramesh has received many awards/ honors/ recognitions from several national and international organizations for the contribution of advanced research in coastal ecosystem biogeochemistry and coastal zone management studies. He has contributed as visiting professor/ Scientist at several other Universities/ research agencies around the world.

Dr Purvaja Ramachandran



Dr Purvaja Ramachandran is Scientist-G and Division Chair of Futuristic Research Division at the National Centre for Sustainable Coastal Management, Ministry of Environment and Forests, Chennai, India, specializing in climate change and coastal management. The research foci is multidisciplinary in nature on diverse coastal issues such as climate change, integrated coastal management and monitoring pollution and creation of a database for pollution monitoring along the coast of India. The interdisciplinary nature of the research studies undertaken facilitates an understanding of the complex processes in the coastal and marine environment. She has published over 70 research papers in international journals and her research interests include studies on trace gas fluxes and biogeochemical cycles and urbanization of coastal systems. She has received several awards and honors from international and national scientific agencies for her work in coastal and marine biogeochemistry and climate change. Purvaja has undertaken many research cruises in the Bay of Bengal, Andaman Sea, and North Sea etc., both as a Scientist and as the Deputy Chief Scientist of the research cruises. She is also involved in several coastal zone management capacity building programmes and climate change related research projects.

Dr C. M. Nautiyal



Basically a scientist, Dr Nautiyal is popular as a science-communication expert. After M.Sc. from IIT, Roorkee, he pursued doctoral and post-doctoral research at PRL, Ahmedabad. He has received 6 prestigious scholarships, fellowships including INSA-DFG, INSA medal for Young Scientists-88, Meteoritical Society's Travel Award, Best Poster papers prizes from ISMAS & Palaeobotanical Society, BSIP's Highest Consultancy-earning Medal, Paper of the Month Award, 'Prabhashree' Award and Honour by Hon. Governor-UP & Chief Minister-HP respectively.

He has published papers in reputed science journals, science - communication journals, Sage Encyclopedia on S&T Communication, magazines, books etc. He has delivered about 700 lectures including 160 on science, science-writing for AV, films and other media, in ~20 Indian states & in Germany, Russia, South Africa, Switzerland, USA and Vietnam.

He contributed to ~200 broadcasts on TV, radio in many roles including first ever such live telecast on Total Solar Eclipse-1995, Science Train-2004 & Venus Transit-2005. He anchored many science programmes in presence of Bharat Ratna- and other awardees and convened conferences. Post- superannuation as Scientist-in-Charge, Radiocarbon Lab, BSIP, Lucknow, he is active as researcher, writer, speaker and Chairman - Young Scientists' Scheme, CST-UP; Coordinator - Rock Art Committee, UP; Member of Board of Studies, Meerut University & an IUAC committee and adviser to NCSC-UP, Uttarakhand and involved in science communication-related activities in several states.

Dr Suparna Dutta



Suparna Dutta is Associate Professor in BIT, Mesra. She is a Ph.D in Communication from JNTU, Hyderabad and is an alumna of Banaras Hindu University, Varanasi. With around 20 years of teaching experience both at the Post graduate and Undergraduate level in Birla Institute of Technology (BIT), Mesra, Ranchi, at its Noida Campus, she has also done a brief stint in Gautam Buddha University, Greater Noida. Currently, her professional responsibilities include coordination of academic programme on Animation & Multimedia. Her area of specialization is Behaviour Change Communication and she also has guided doctoral research in this domain since 2010 besides designing academic curriculum at the University level. Suparna has to her credit a single author book on Communication that was published by Prentice Hall India (PHI) in 2013. In addition, she edited a collection of Essays on Communication that was published by Macmillan India in 2012 and contributed Chapters in many edited books. Her international exposure includes delivering invited lectures in conferences, interacting with students and faculty of leading universities of US and Europe and organizing international seminars in the domain of communication. Currently she is deeply involved in C4D applications in and around the slums of National Capital Region- Delhi and films on the related theme, produced as a part of the pilot project by her team, have been shortlisted for screening in 2016 & 2017 IISF in New Delhi and Chennai respectively.

Mr Shekar Dattatri



Shekar Dattatri is a Wildlife and Conservation Filmmaker. His lifelong fascination with wildlife began at the age of 13 when he joined the Madras Snake Park as a volunteer. This led to nature photography and, subsequently, to a full time career in wildlife and conservation film-making. During the last 30 years, his films have won several national and international awards, and many have aired around the world on channels such as National Geographic and Discovery.

He has also officiated on the final juries of prestigious film festivals, such as 'Wildscreen' in the UK and the Japan Wildlife Film Festival. Between 2007 and 2010 he served as a Member of the National Board for Wildlife, and, subsequently, on the State Board for Wildlife, Tamil Nadu.

Shekar is producing independent films on conservation issues for last 17 years. These include 'Mindless Mining – the tragedy of Kudremukh', 'The Ridley's Last Stand', 'The Truth about Tigers', 'India's Disappearing Beaches – A Wake up Call' and 'The Race to Save the Amur Falcon'.

He has several popular articles on wildlife, film-making and conservation to his credit and is the author of three children's books on wildlife, 'Riddle of the Ridley', 'Lai Lai - The Baby Elephant' and 'Ira - The Little Dolphin'. He is the co-founder of www.conservationindia.org, an Indian portal devoted to wildlife conservation.

Mr Perumalsamy Srinivasan



Perumalsamy Srinivasan (Srini), a film maker and Producer from Chennai, with an educational background in computer technology has significant 23-years of experience in film industry. Srini's production house Omcinema is registered with Producers council of South India and South Indian Film Exporters Association. Since Omcinema's inception in 2001, Srini was one of the pioneer producers working towards taking South Indian movies into the International scenario to create a Worldwide market for Regional Movies especially for Tamil Movies".

Srini has Executive-Produced 4 feature films and Produced 2 films independently so far. Srini has Produced a Tamil feature Achchamundu Achchamundu, which has won a few International and domestic awards. This film happens to be India's 1st feature shot on RED Camera and which paved way for the entry of RED camera into India. This film was recently (2017 July) awarded 3rd best film by Tamilnadu State Government. Srini is currently Producing and Directing a feature film in Tamil language based on a real-life incident and meant for Indian and other International markets.

Srini has been involved in doing Corporate videos and individual group scientific videos for National Institute of Ocean technology since 2011. Srini's recent project demonstration video for Ministry of Earth sciences was made on the Pondicherry beach restoration project undertaken by Ministry of Earth sciences and National Institute of Ocean Technology.

Arun Chidambaram



Arun Chidambaram, is a writer, actor and director of 7 International Award winning Indian movie '*Kanavu Variyam* (Dream Factory)' - A Warner Bros. Pictures. Release.

Produced by DCKAP Cinemas, '*Kanavu Variyam*', a commercial entertainer based on organic farming and power-cuts in villages across Tamil Nadu won 7 International awards and 15 International honours from 9 countries. '*Kanavu Variyam*' is also the 1st Tamil and South Indian film to be distributed by Warner Bros. Pictures. '*Kanavu Variyam*' is the first Indian film to win two prestigious international Remi Awards which has been won by stalwarts of Hollywood. After receiving recognition and appreciation across various international film festivals, '*Kanavu Variyam*' released in February 2017 and won the affection of Indian audience. '*Kanavu Variyam*' is streaming exclusively on Netflix across 190 countries. Apart from playing the lead role and directing the movie, Arun wrote the Story, Screenplay, Dialogues and Lyrics for '*Kanavu Variyam*'.

Recently Arun was chosen by Vikatan as one of the "Best Debut Directors" emerged in the first half of 2017 for his film "*Kanavu Variyam*". Arun completed his Masters in USA and worked for JP Morgan Chase in Chicago. He quit his lucrative job in United States and returned to India to pursue his passion in Cinema. He also won personal accolades from the former President of India Dr A P J Abdul Kalam.

Dr S. Arulchelvan



Dr S. Arulchelvan is the Assistant Professor in the Department of Media Sciences, Anna University, Chennai, India. Earlier, he worked as a Journalist in leading Tamil dailies. He has been awarded FCT Post-Doctoral Research Fellowship from the University of Aveiro, Portugal and The Graciano Lopez Jaena Fellowship in Community Journalism by the University of Philippines.

His specializations are Journalism, Development Communication, Educational Media and Community Media. He has been passionately engaged in several research projects with the support of UNICEF, Department of Rural Development, Government of Tamil Nadu and other agencies and he completed around ten major and minor research projects in the area of communication, development and journalism.

He has authored few books and has published more than 40 articles in reputed journals. He has organized many workshops and seminars on Journalism, Media and E-Content creation. Moreover, He is in respectable correlation with prominent Indian and foreign professional associations. He has been in the editorial board of many research journals.

In addition to teaching, he is also the Curriculum Development Coordinator and has developed course material for various subjects like Journalism, News Writing and Development Communication among others.

He was awarded The Best Young Educationalist (Media) by Education Today (a Tamil Educational Monthly) in 2008. He is an Advisory Committee Member and Programme Officer of the National Service Scheme (NSS) in Anna University.

Screening Committee, India International Science Film Festival 2017

Mr R. K. Anthwal Chairman, Screening Committee, IISFF 2017



Mr R. K. Anthwal is Sr. Editor of Awishkar and Invention Intelligence (English), monthly and bi-monthly S&T magazines published by National Research Development Corporation (NRDC), an Enterprise of DSIR, Ministry of Science & Technology, Government of India. He started his career with the magazines of NRDC in January 1984 as an Editorial Assistant.

He has contributed science and technology articles to various newspapers (Hindi) and magazines (Hindi & English). He has been a regular broadcaster on science topics on All India Radio and also written scripts of five science docu-dramas for All India Radio as a part of radio-serials of Vigyan Prasar (DST) and NCSTC (DST), Govt. of India and has also appeared as an expert on the Edusat programme of Vigyan Prasar. He has contributed chapters on science and popular science writing to three books.

He is presently a member of the Editorial Advisory Board of Vigyan Paricharcha, a quarterly science magazine published by Uttarakhand State Council for Science & Technology, People's Association of Hill Area Launchers, and ISWA (Uttarakhand chapter).

Dr Ashok N. Selwatkar Member, Screening Committee, IISFF 2017



Dr Ashok N. Selwatkar is editor of *Vigyan Garima Sindhu* - a quarterly Journal of Science in Hindi since 2006 and Assistant Director & Editor, Commission for Scientific & Technical Terminology (Department of Higher Education), Ministry of Human Resource Development, Govt. of India.

He has conducted more than twenty two workshops / symposia. He has published 14 Dictionaries, 9 Monographs, 35 Journals and 5 papers. His projects include Biotechnology Dictionary (Eng-Hindi), Zoology Dictionary (Eng-Hindi-Marathi), Climatology Dictionary (Eng-Hindi), Dictionary of Geography (Eng-Hindi), Dictionary of Fish & Fisheries etc.

Ms Archana Mishra
Member, Screening Committee, IISFF 2017



Archana Mishra is Working with Parliamentary channel Lok Sabha Television as a Producer in Production Department. She holds a Masters degree in Mathematics and Journalism. She has produced and directed around 500 films and Programme that includes NEWS, Documentaries, Short films and special national and international events on the themes which include political, social, science, education, health, women and child development & empowerment, innovation, motivational etc. During her mainstream career from last 13 year, she has covered many special events and produced programmes, like, Women Legislature Conference - 2016, BRICS conference in Geneva, IPU conference in Geneva 2016 etc.. She is a part of core team of LSTV and covers Budget session, Monsoon or Winter session or any other programmes related to house proceeding. She has worked with many prestigious NEWS channels as executive producer and anchor.

Dr S V S Phani Kumar, Convener, IISFF 2017



Dr S V S Phani Kumar is Scientist F, National Institute of Ocean Technology, Chennai. He is a Ph. D. (Tennessee Tech Univ), M. S. (IISc, Bengaluru), B. Tech (JNTU, Hyderabad).

A Mechanical Engineer with experience in Desalination, Ocean Structures, Fluid Mechanics and Thermal Sciences. A team member in the execution of Low Temperature Thermal Desalination plants established in Agatti and Minicoy (2011), North Chennai Thermal Power Station (2009), Barge Mounted Desalination plant (2007) and the proposed desalination plants in six islands (Amini, Androth, Chetlat, Kadamat, Kalpeni and Kiltan) of UT Lakshadweep. Team member in the installation of the first Offshore LIDAR based Wind measurement platform in India, 25 km off Pipavav port, Gujarat.

Experienced in the design, installation and maintenance of thermal equipment such as Flash Chamber, Condenser, Pumps and Vacuum System and also of the long, flexible submarine HDPE pipelines for the desalinations systems. Scientist in Charge of the Computer Maintenance Cell. Had previous work experience at Indian National Center for Ocean Information Services (Hyderabad) in ocean modeling, University of Western Ontario (London, ON, Canada) in vortex dynamics, Tennessee Technology University (Cookeville, TN, USA) in power plant analysis.

Member of Professional Bodies such as IEEE-OES, Indian Desalination Association, Ocean Society of India, Indian Society of Hydraulics and a Chartered Engineer from Institution of Engineers of India (IEI).

Mr Nimish Kapoor
Convener, IISFF 2017



Mr Nimish Kapoor is a science communicator and scientist working in Vigyan Prasar from last 13 years and heading Science Film Festival Division. He is associated as convener and coordinator of International and National Science Film Festivals & Competitions; National Workshops on Science Film Making. Earlier to Vigyan Prasar Mr. Kapoor has been associated with various television channels as anchor, writer, reporter and producer.

He has produced & directed approx. 1000 hours television programmes for ETV Network. He had done research and reporting for popular science and society based TV programmes - DASTAK and India's Most Wanted which were aired by ZEE TV; He has anchored live shows and written scripts on scientific, environmental themes for fiction and non-fiction programmes which were aired by Doordarshan & All India Radio. He has scripted and translated documentaries for Discovery Channel - EMPC joint project. He has written popular science articles, talks for print and broadcast media; and presented, moderated science programmes on All India Radio-News Service Division, National & International broadcasts, FM Gold, FM Rainbow etc. Many of films scripted by him were aired by DD National, DD Lucknow. Science Radio plays written by him have been aired by Vividh Bharati. He is a Regular contributor of popular articles to monthly science magazines - *Vigyan Pragati*, *Avishkaar*, *Kurukshetra*. He has contributed various chapters and review papers on several aspects of science communication which are published in national and international journals and books. His science communication work has been recognised with prestigious awards and appreciations.

Category A - Competitive
(Films made by Professional
Film-makers / Institutions)

Affordable Drugs for All



Council of Scientific and Industrial Research (CSIR) has showcased 'the success saga of Generic Drugs industry in India' in this film. After Independence, India made a strong commitment to provide best and affordable health care to all sections of society but costly medicines manufactured and marketed by multinational corporations were source of great discomfort for common men. To ease the pressure, Indian Government implemented the revised Patents Act, 1970 which restricted patent protection only to 'process' and not to 'products' in pharmaceutical sector. CSIR labs have developed and transferred technologies for a wide range of generic medicines - from simple headache pills to complex anti-cancer agents.

Affordable Drugs for All



Asrar Shamsi

Theme of the Film	:	Technology and Innovations
Duration	:	00:10:01
Language	:	English
Producer	:	Mr Ashok Bhutani, Super-Ads, New Delhi
Direction	:	Asrar Shamsi
Research	:	Dr Jagdeep Saxena
Script	:	Dr Jagdeep Saxena
Sound Recording & Design	:	Mahesh Madaan
Cinematography	:	Jahir Abbas Naquvi
Editing	:	Prem Prakash
Email	:	superads.media@gmail.com

Discovery of Rhododendron Forest



The film on Rhododendrons of Rhododendrons Forest, Eastern Himalayas is in the continuous process of making, so far we could capture 70 taxes of Rhododendrons approximately.

Rhododendron is a large evergreen bush with large, usually bright pink, purple, or white flowers. It play a pivotal role in ecosystem function. Ecosystem services it provides are essential to climatic condition and overall the survival of living beings. In the film, the climate indicator wildflowers' 40 Rhododendron species which include nine new records, biggest to smallest, edible to poisonous varieties have been captured from undisturbed eco-system of Eastern Himalaya, India and the study and research are still on to finish the film till all species are recorded.

Discovery of Rhododendron Forest



Lovita J R Morang

Theme of the Film	:	Climate Change: Challenges & Solutions
Duration	:	00:15:23
Language	:	English
Production	:	Donyi-Polo (Asia) Film Production
Direction	:	Lovita J R Morang
Research	:	Lovita J R Morang
Script	:	Lovita J R Morang
Sound Recording & Design	:	Dipak Sarma
Cinematography	:	Hitesh Kegang
Editing	:	Bikash Dutta
Email	:	lovitajrmorang@gmail.com

Do Not Honk



Unnecessary vehicular honking is the main reason for almost 70% of the noise pollution in our environment. Noise pollution created by Horns has now become a serious matter of concern for health. This film creates awareness regarding the ill effects and dangers of unnecessary honking. The physical, psychological and emotional impact of noise pollution have been presented in this film. Movie also profiles the "No Honking Man of India" - Ravi Kalra. It highlights the work of Ravi Kalra for society. This short film is an attempt to encourage people to stop honking.

Do not Honk



Ishrat Jahan M G
Nawaz

Theme of the Film	: Climate Change: Challenges & Solutions
Duration	: 00:10:31
Production	: Catch Eye
Direction	: Ishrat Jahan M G Nawaz
Research	: Ishrat Jahan M G Nawaz
Script	: Ishrat Jahan M G Nawaz
Sound Recording & Design	: Ishrat Jahan M G Nawaz
Cinematography	: Ishrat Jahan M G Nawaz
Editing	: Ishrat Jahan M G Nawaz
Email	: ishratjahan786@gmail.com

E-Waste



The popularity of consumer electronics and home appliances is likely to continue in years to come with a constant stream of smartphones, computers, refrigerators, e-readers and other devices. Hence, the main challenge is the continuous global growth of e-waste. It is predicted that by 2018, more PCs will be discarded in countries in the developing than the developed world. It is predicted that, by 2020, in both China and South Africa, there will be 200–400% more e-waste from old computers than in 2007, and a staggering 500% more in India. When adding the vast amounts of e-waste that are still being imported to these countries, both legally and illegally, it is evident that the problem is exploding, with many dangers for human health and the environment.

E-Waste



Chandra Kumar

Theme of the Film	:	Swachh Bharat : Swasthya Bharat
Duration	:	00:15:22
Language	:	English
Production	:	Educational Multimedia Research Centre, University of Mysore
Direction	:	Chandra Kumar
Research	:	Dr M.Y.Sreenivasa
Script	:	Dr M.Y.Sreenivasa
Sound Recording & Design	:	Dr M.Y.Sreenivasa
Cinematography	:	Ragavendraswamy.M.C
Editing	:	P.H. Chandra kumar and Ragavendra swamy M. C.
Email	:	chandrakumarph@gmail.com

Farmers of the Future



Extreme events like floods and droughts are taking a heavy toll on Nepal's agriculture and food security. 'Farmers of the Future' documents a pilot initiative that is promoting climate smart agriculture in the plains and mid-hills of Nepal. It captures technologies like solar pumping based irrigation that is helping a farmers to get reliable water supply every day at 1/6th the cost of diesel pumps. It highlights how solar pumps are irrigating fields which lay fallow until now, and are yielding a variety of crops and vegetables round the year.

Farmers of the Future



Rishu Nigam

Theme of the Film	:	Technology and Innovations
Duration	:	00:10:42
Language	:	English
Production	:	The Energy and Resources Institute (TERI), New Delhi
Direction	:	Rishu Nigam
Research	:	Aditi Bisht
Script	:	Rishu Nigam
Sound Recording & Design	:	Rajeev Rastogi
Cinematography	:	Deepak Kattar
Editing	:	Deepak Kattar
Email	:	rishun@teri.res.in, sumit.bansal@teri.res.in

Forest Fire... A Man Made Disaster



In India, Forest fires are mostly handiwork of human beings and almost none are naturally stoked. Forest fires cause long terms damages to precious and unique flora and fauna. Recently, The Banipur Tiger Reserve, Karnatka, India witnessed drought and fire . The film maker and his team visited this reserve after twenty two days since the fire was reported and was aghast to see that there was still smoke being emitted from tress stumps. The forest personnel were trying hard to put out the tinder and were clearly overworked and exhausted. Forests are our natural resources and they are the legacy we should leave intact for the future generations.

Forest Fire... A Man Made Disaster



Keerthikumar S.M. and
K.Gopinath Gopi

Theme of the Film	: Climate Change : Challenges & Solutions
Duration	: 00:23:30
Language	: English
Production	: Educational Multimedia Research Center, Manasagangothri, Mysore, Karnataka Keerthikumar S. M. and K.Gopinath
Direction	: K.Gopinath & Keerthikumar S.M.
Research	: Tanuja D.H.
Script	: Tanuja and Sunaad Raghuram
Sound Recording & Design	: Mr K.Gopinath Gopi
Cinematography	: Keerthikumar S.M. and K.Gopinath Gopi
Editing	: K.Gopinath Gopi
Graphics	: K.Gopinath Gopi
Executive Producer	: Prof. H.Rajashekara
Email	: gopi475@gmail.com

Grandma's Forest



In a time when concrete jungles are fast replacing forests and green patches, here is a woman who has converted her 5 acre land into a man-made forest. 83 year old Devaki Amma belonging to Kayamkulam in Kerala made this forest by collecting tree saplings, planting and nurturing them in her homestead. Now over 600 species of trees are there in this forest. Various type of birds and other creatures are seen in this forest. Numerous visitors including children visit this forest daily. They get inspired and plant trees on their own. In a place like Kerala where concrete jungles are fast replacing green patches, man-made forests such as this are very valuable. Devaki Amma is confident that her future generations will protect this forest.

Grandma's Forest



G S Unnikrishnan Nair

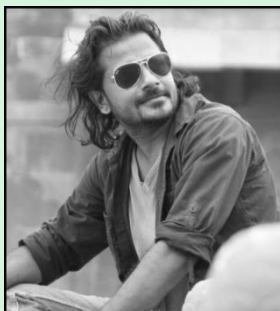
Theme of the Film	:	Climate Change: Challenges & Solutions
Duration	:	00:21:36
Language	:	English
Production	:	Farm Information Bureau
Direction	:	G S Unnikrishnan Nair
Research	:	G S Unnikrishnan Nair
Script	:	G S Unnikrishnan Nair
Sound Recording & Design	:	Suraj
Cinematography	:	Sanjeev, Visakh
Editing	:	Suraj
Email	:	vanchiyurunni@gmail.com

Hariman Apple - A Hope for India



Film "Hariman Apple - A Hope for India" is the showcase of an innovator farmer of Paniyala village, Himachal Pradesh, India. He has developed a variety name Hariman 99 that can be grown in warm climate. Apple crop generally grows in cold areas. This farmer has been awarded by Hon'ble President of India and Maneka Sanjay Gandhi (Indian Union Cabinet Minister for Women & Child Development) is the brand ambassador of this variety of Apple fruit. This innovation is supported by National Innovation Foundation India.

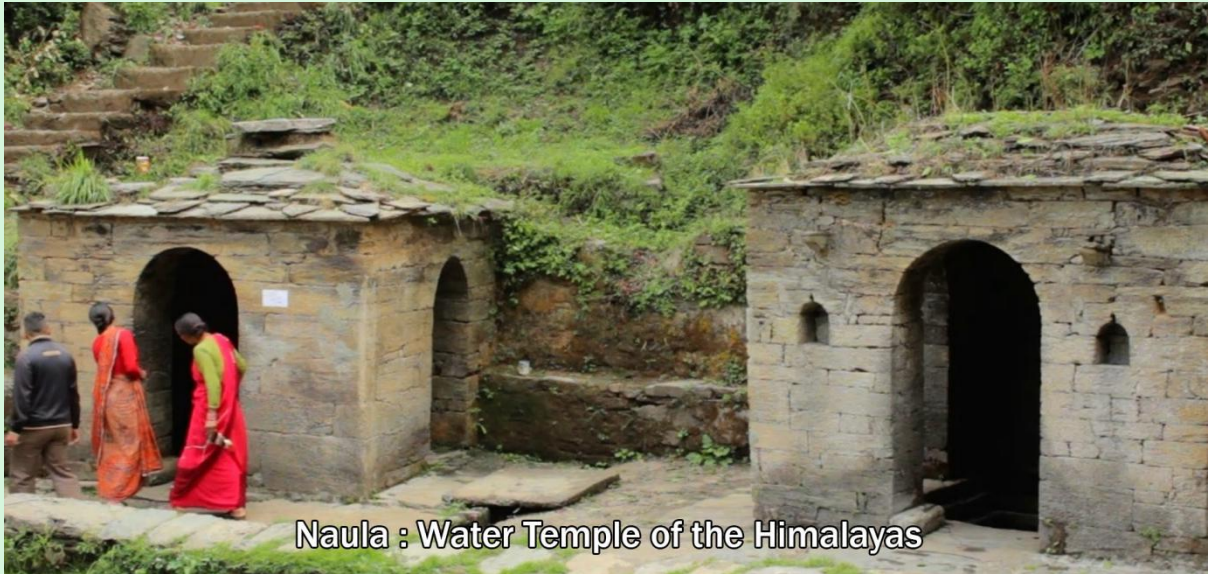
Hariman Apple - A Hope for India



Nitin Yaduvanshi

Theme of the Film	: Technology and Innovations
Duration	: 00:24:47
Language	: Hindi
Production	: noMind films
Direction	: Nitin Yaduvanshi
Research	: Dr Malik Rajkumar, Nitin Yaduvanshi
Script	: Nitin Yaduvanshi
Sound Recording & Design	: Nabin Bishowkarma
Cinematography	: Ashu Dhiman
Editing	: Dhiraj Kumar
Email	: nomindfilms@gmail.com

Naula : Water Temple of the Himalayas



India's Central Himalayan region has an abundance of beauty and gifts from nature. The locals here have understood and learned that how to utilize and preserve this nature. A remarkable example of such ancient harmony is: Naula. Naulas are constructions by people in hilly regions of Kumaon (Uttarakhand), where drops of water passing through the mountains are collected for drinking or other purposes. While a few Naulas can still be found functional in the region but unfortunately the lack of conservation has led to their existential threat. In Uttarakhand, India the Naulas were worshipped for their significance of clean water sources and water preservation. Many of these centuries-old structures still exist almost intact, primarily due to the expertise that went behind their construction. In the film, beauty of the Naulas is exemplified in a small village in Champawat district, Pamda. Here the villagers, especially women, have stood up to preserve the existence of Naulas, knowing their historical significance. Despite the knowledge of importance of water preservation, we hardly see new Naulas being built today.

Naula : Water Temple of the Himalayas



Shrinivas Oli

Theme of the Film	: Science & Sustainable Development
Duration	: 00:17:57
Language	: Hindi
Production	: Shrinivas Oli
Direction	: Shrinivas Oli
Research	: Shrinivas Oli
Script	: Shrinivas Oli
Sound Recording & Design	: Shrinivas Oli
Cinematography	: Shrinivas Oli
Editing	: Shrinivas Oli
Email	: srioli@gmail.com

Out in the Open



Women bleed and they must. Of the 35.5 crore menstruating Indian women, only 12 % have access to Sanitary Pads. Menstrual health and hygiene has remained shrouded in secrecy and shame. Women have continued to suffer under the burden of the monthly period. Adolescents have paid a heavy price by dropping out of school due to the discomfort of the monthly cycle. 'Out in the Open' presents a unique initiative in Vadodara in Gujarat that is rooted in a couples' desire to present a viable and low cost solution to this problem. Swati Bedekar and Shyam Bedekar have devoted themselves to the cause of Menstrual Hygiene. They aim at providing access to low-cost disposable pads to Indian women. They have developed a simple Incinerator to dispose the soiled pads in a hygienic and safe manner. The film presents the journey of the innovative couple that led to the development of this technology. This low-cost solution will contribute to Gender Equality, Better Education and Health for women across the country.

Out in the Open



Seema Muralidhara

Theme of the Film	: Swachh Bharat Swasthya Bharat
Duration	: 00:16:15
Language	: English
Producer	: TERI, The Energy Resources Institute, New Delhi
Direction	: Seema Muralidhara
Research	: Seema Muralidhara
Script	: Sher Bahadur Budha
Sound Recording & Design	: Sher Bahadur Budha
Cinematography	: H B Muralidhara
Editing	: Inshrat Nawaz
Email	: seema.muralidhara@gmail.com

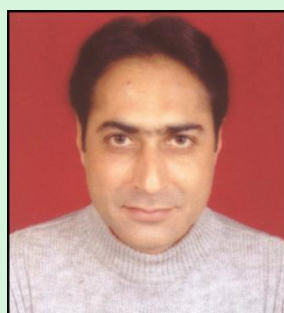
Packages for Farmers Prosperity



Agriculture is one of the most resounding success-story of independent India. Sustainable food security for 1.27 billion strong nation is a remarkable feat against several odds and multiple constraints. But low income of farmers and declining trend in profitability of agriculture remained a challenge and cause of major concern. Council of Scientific and Industrial Research, (CSIR) as a country leader in application of science and technology for national development, devised and adopted an innovative pathway to address the issue. CSIR labs, across the country, strategically select crops having high potential to raise farmers income which enhance per hectare profitability and increase livelihood opportunities. CSIR developed crop rotation models having medicinal and medicinal crops as a component and also as intercrop, establish demonstration plots of major crops in various states, produce tissue cultured plants and products, develop post-harvest and processing technologies of fruits and aromatic plants and develop and disseminate technologies for rehabilitation of waste lands.

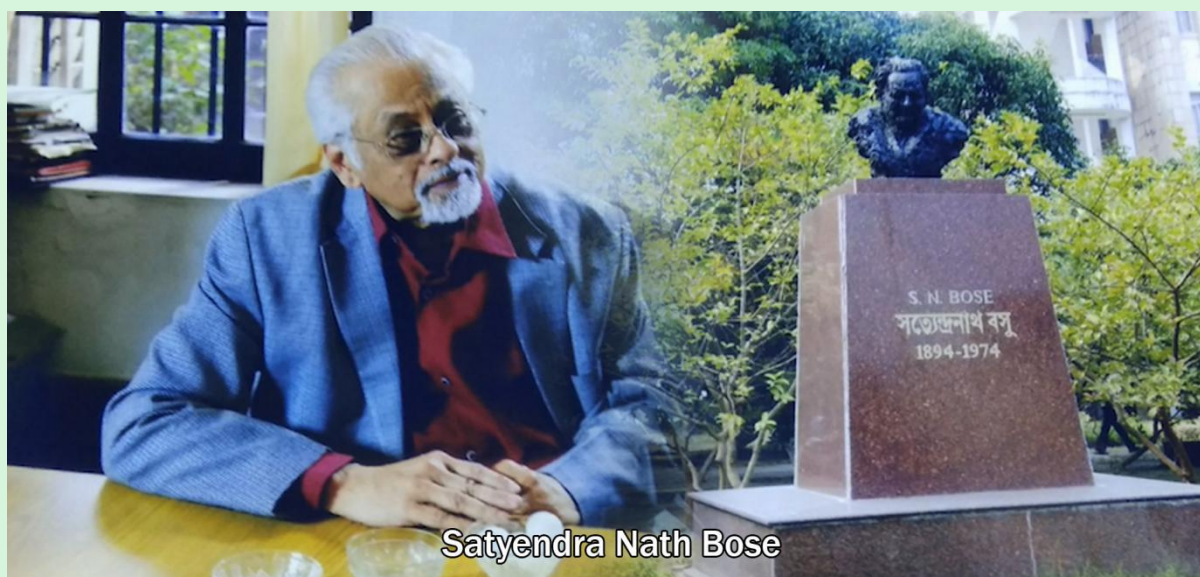
Packages for Farmers Prosperity

Theme of the Film	: Science for New India
Duration	: 00:16:36
Language	: English
Producer	: Mr Ashok Bhutani, Super Ads
Direction	: Asrar Shamsi
Research	: Dr Jagdeep Saxena
Script	: Dr Jagdeep Saxena
Sound Recording & Design	: Muneet Nasa
Cinematography	: Jahir Abbas Naquvi
Editing	: Prem Prakash
Email	: superads.media@gmail.com



Asrar Shamsi

Satyendra Nath Bose



Satyendranath Bose along with Meghnad Saha, established modern theoretical physics in India. Bose made significant advances in statistical mechanics and quantum statistics, the description of all forces by a single field theory, x-ray diffraction and the interaction of electromagnetic waves with the ionosphere. Albert Einstein's generalization of Bose's work led to the system of statistical quantum mechanics, now known as Bose-Einstein statistics which describes particles of integral spin, which may multiply occupy the same quantum state. Such particles are now known as "bosons" after the name of s. N. Bose. Bose's name has become part and parcel of modern physics. There is no other scientist whose name is so indissolubly linked with Einstein in all the textbooks of physics. 'Indeed Bose's work stands out as one of the central columns supporting the edifice of modern physics'.

Satyendra Nath Bose



Shila Dutta

Theme of the Film	: Technology and Innovations
Duration	: 00:30:00
Language	: English
Producer	: Vigyan Prasar
Direction	: Shila Dutta
Research, Narration	: Prof. Partha Ghose
Script	: Shila Dutta
Sound Recording & Design	: Anup Mukherjee
Cinematography	: Samil Talukdar
Editing	: Tapas Chakrabarty & Shila Dutta
Email	: shiladatta2001@yahoo.com

Techstart



The programme titled “TechStart” is about the remarkable transformation of mindset in India that fosters entrepreneurship by utilizing cutting edge technology and innovation. As India and the United States begin to innovate for themselves, it will be a fundamental shift, changing the dynamics of the techno-ecosystem, with potential to impact the lives in under resourced settings across the world. The Indian tech-startup ecosystem has definitely matured and this programme presents four of them from four Indian states namely New Delhi, Karnataka, Rajasthan and Telengana. Stories featured include the world’s first foot-operated new born resuscitation system, diagnosis of cervical cancer utilizing smartphone diagnostics and artificial intelligence, affordable and user-centric knee-joints to re-mobilise above knee amputees in India and globally and wireless sensor based wearable device for heart disease management.

Techstart

Theme of the Film	: Technology and Innovations
Duration	: 00:20:32
Language	: English
Producer	: Television Programme Company, New Delhi
Direction	: Matiur Rahman
Research	: Matiur Rahman
Script	: Matiur Rahman
Sound Recording & Design	: Poonam Chaurasia
Cinematography	: Poonam Chaurasia
Editing	: Poonam Chaurasia
Email	: matiurrahman@gmail.com



Matiur Rahman

The Loss of Western Ghats



Science and developments of any form will not be worth, without taking care of nature and its co-inhabitants. The Lion Tail Macaque (LTM) is a beautiful and rare species of monkeys found exclusively in the Southern part of the western ghats, especially in Kerala, Tamil Nadu and Karnataka. According to the latest census on LTMs this unique species only have a population of around 3000. These animals are usually seen in the wild canopy of the forests. But massive deforestation and fragmentation has forced these nature loving animals to come down to places where human population exists. Due to deterioration of its natural habitat, LTMs have reduced in numbers. Human need for hydro electric projects in forest areas, careless disposal of plastics and uncontrolled eco-tourism have also added to the worries of LTMs. This documentary points out that even destruction of a single tree in the name of science and development can cause a huge catastrophe in the nature. This documentary was shot over a period of six months to bring the best moments of the life of LTMs. The main locations of the film were Silent Valley, Nelliampathi, Valpara and Athirapally forest areas in the Western ghats.

The Loss of Western Ghats



Biju Pankaj

Theme of the Film	:	Science & Sustainable Development
Duration	:	00:23:28
Language	:	English
Producer	:	Mathrubhumi News, Ernakulam
Direction	:	Biju Pankaj
Research	:	Biju Pankaj
Script	:	Biju Pankaj
Sound Recording & Design	:	Shiju K D
Cinematography	:	Venu P S
Editing	:	Shiju K D
Email	:	bijupankaj@mbnews.in

The Tale of Blue Blood (Preventing Toxicology Unit)



Poisoning and overdose of some medicines are the causes of many deaths. It happens because doctors do not have proper equipment and techniques to identify the toxins consumed by the victim. This movie is about setting up such simple laboratories in hospitals at district level where toxin affected persons can be identified what type of chemical or poison has been consumed by the victim; with 100% accuracy. Timely identification of the type of the toxin will help in proper line of action of the treatment. Setting up of such laboratories is very easy and its utility is multi-faceted. It can help to identify the proportions of chemicals in the animals, water, soil, food items etc. This will help to identify and reduce the ill effects of harmful chemicals being used by us. It will also help to increase and decrease the doses of medicines to patients of diseases like Cancer, AIDS etc. where need of doses of medicines vary regularly.

The Tale of Blue Blood (Preventing Toxicology Unit)



Rajendra
Vishwakarma

Theme of the Film	:	Science & Sustainable Development
Duration	:	00:20:04
Language	:	Hindi
Producer	:	Dr H. S. Gour Central University
Direction	:	Rajendra Vishwakarma
Research	:	Devashish Bose
Script	:	Bhartesh Jain/ Giriraj
Sound Recording & Design	:	Mehboob Khan
Cinematography	:	Shivkant Singh
Editing	:	Rajendra Vishwakarma
Email	:	rvemrc@gmail.com

#TullaDozingTheBull@Zojila

Man | Machine | Mountain



Zoji La is a high mountain pass in Jammu and Kashmir, India. Working at Zoji La equals putting your life at risk. Tulla with all his disabilities is an example of real strength. What we see as a weakness is probably his biggest forte. He has become a leader in his own way learning to operate heavy machinery. He has never let his being deaf and dumb come in his way. Tulla is the living example of Instinct. This film took three seasons 2015, 2016, and 2017 to complete. Reasonably due to the harsh prevailing conditions under sub zero temperature ranging from minus 10°C to minus 30°C. At times bad weather, sudden snowfall, torrential rains, thunderstorms, flash floods, sliding and avalanches would hamper the clearance work. But for sure, passion wins at the end of the day. No matter how difficult the subject and object is? It's the willpower, which propels your imagination and moral boosting.

#TullaDozingTheBull@Zojila



Jalal Ud Din Baba

Theme of the Film	:	Climate Change: Challenges & solutions
Duration	:	00:25:59
Language	:	English
Producer	:	Ultimate Horizons
Direction	:	Jalal Ud Din Baba
Research	:	Jalal Ud Din Baba
Script	:	Jalal Ud Din Baba
Sound Recording & Design	:	Jalal Ud Din Baba
Cinematography	:	Jalal Ud Din Baba
Editing	:	Jalal Ud Din Baba
Email	:	jalaljeelani16@gmail.com

Indian National Centre for Ocean Information Services



This Scientific Documentary Film is focused on depicting the Indian National Centre for Ocean Information Services (INCOIS) services and its socio-economic benefits to various categories of INCOIS users. INCOIS was established under the Ministry of Earth Sciences, Govt. of India in February 1999. This film is featured on the activity spectrum of INCOIS in providing ocean information, warnings, advisories under three major categories of services namely, Tsunami Early Warning Services (TEWS), Ocean State Forecast (OSF) Services and Potential Fishing Zone (PFZ) Advisories to various stake holders namely, fisher folk, Coastal population, Government Agencies involved in coastal zone management and disaster management, the shipping industry, Port and harbors, the oil and natural gas industry, the Navy, the Coast Guard, researchers, academia and students. The advisories are disseminated through various modern ICT modes including Social media.

Indian National Centre for Ocean Information Services



Sanjay Giri

Theme of the Film	:	Science and Sustainable Development
Duration	:	00:22:28
Language	:	English
Producer	:	Indian National Centre for Ocean Information Services, Ministry of Earth Sciences (MoES), Govt. of India
Direction	:	Sanjay Giri
Research	:	Dr R. Harikumar
Script	:	Dr R. Harikumar, Celsa Almeida, Dr Nimit Kumar, B. Ajay Kumar, J. Padmanabham & M.V. Sunanda
Sound Recording & Design	:	Anirudh Tuli
Cinematography	:	Praveen
Editing	:	Anirudh Tuli
Email	:	harikumar@incois.gov.in

Category A - Non-Competitive
(Films made by Professional
Film-makers / Institutions)

Solar Energy for a Healthy Life



India is full of sun energy. Technologies developed on the use of this energy can help saving the fossil fuels in industrial, commercial and institutional establishments for various applications. A huge amount of fossil fuels especially the electricity and fuel oil are being consumed for thermal applications e.g. water/air heating, community cooking, process heat, space cooling etc. At most places the heat requirements in the form of steam/pressurized hot water/ air or oil is between 90 to 350 degree Celsius. Industrial sector is the major sector which requires such heat for various processes. This film showcases cases studies of different concentrating technologies that are currently being used in India for large scale cooking. For the shooting, we have visited *Shirdi Prsadalaya* in Maharashtra, NTPC plant in *Dadri*, RK Mission Children's home in Tamil Nadu, IIT in *Uttarakhand* and SRM University in Tamil Nadu. The main objective of the film is to highlight the achievements of the Ministry of New & Renewable Energy (under its UNDP-GEF) in promoting concentrating solar technologies in large community kitchens of India, which would eventually help in the reduction of LPG usage and carbon emissions.

Solar Energy for a Healthy Life



Satish Pande

Theme of the Film	:	Technology and Innovations
Duration	:	00:10:01
Language	:	English
Producer	:	Satish Pande / Advertising Limited & Comfed Productions Pvt Ltd
Direction	:	Satish Pande
Research	:	Farha Naz
Script	:	Mukesh Uniyal
Sound Recording & Design	:	Sanjay Thakur
Cinematography	:	Rajan Sribastava
Editing	:	Pawan Kumar
Email	:	comfedsocial@gmail.com

Neuroscience Research Lab (NRL) of PGIMER, Chandigarh, India



The research and its output is directly related to the knowledge economy of a country because the products of research generate revenue. Research labs whose focus of research has national focus, they are able to provide cost effective solutions for diseases of that region. Therefore NRL is aiming to integrate the traditional knowledge derived from Ayurveda and Yoga with modern medicine so that evidence generated from these pathies can provide cost effective solutions for the diseases that have no cure or its diagnosis is unaffordable for poor patients. NRL was developed by Prof. Akshay Anand with the idea of combining these two streams of science and exploiting the molecular tools to provide international genetic testing services, thus generating revenue for our country. In his passion to integrate the modern techniques for acquiring global leadership, he led his students to carry out social outreach missions after the lab hours such as Clean India programs, travel and learn programs, *Niyantrit Madhumeh Bharat* program in cooperation with Indian Yoga Association and QCI, so that the PhD students trained here become conscientious and goal oriented citizen scientists. In order to scale up these efforts, NRL is looking forward for a bigger national role that provides opportunities for these students.

Neuroscience Research Lab (NRL) of PGIMER, Chandigarh, India

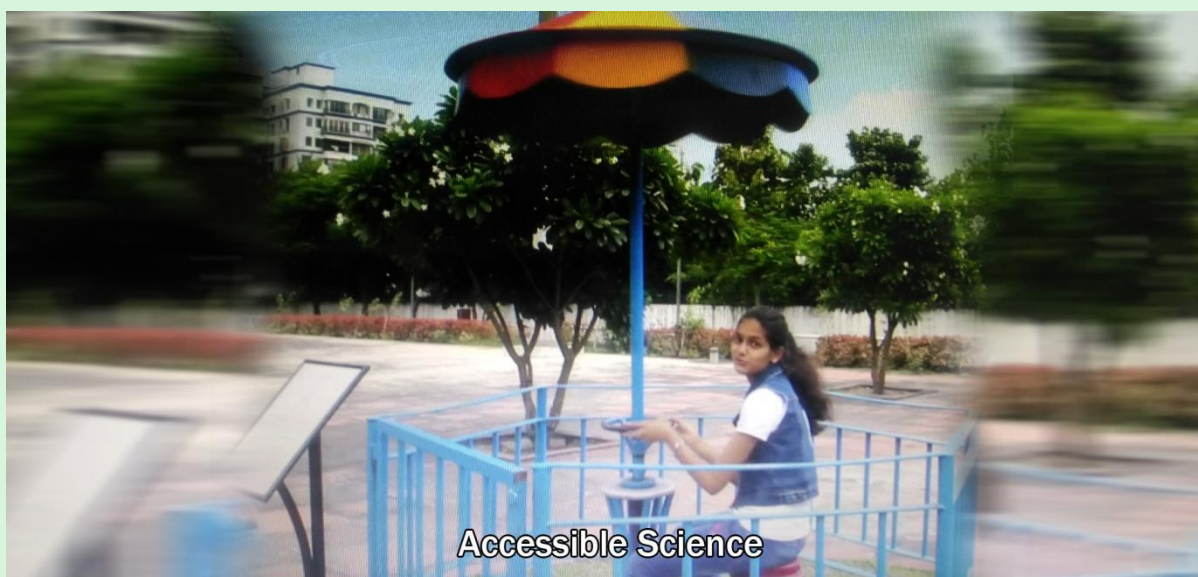


Akshay Anand

Theme of the Film	: Mentoring Neuro Scientists in India
Duration	: 00:07:00
Language	: Hindi and English
Producer	: Chintan Sareen
Direction	: Prof Akshay Anand
Research	: Prof Akshay Anand and students
Script	: Akshay Anand
Sound Recording & Design	: Nirmohi, AIR
Cinematography	: Prof Akshay Anand
Editing	: Prof Akshay Anand, Kavita
Email	: akshay2anand@gmail.com

Category B - Competitive
(Films made by College / School
students)

Accessible Science



This short film is an attempt to make science more accessible by explaining basic concepts of science in audio described format for the benefit of visually impaired people. Simple experiments of science are explained by adding an audio narration track in the background which describes the setup, settings and movements etc. of experiment for those who are visually impaired. This film explains the 'Law of Conservation of Angular Momentum' and 'Newton's third law' in an audio described format which is more friendly to visually impaired people.

Accessible Science



Ananya Jain

Theme of the Film	:	Technology and Innovations
Duration	:	00:05:00
Language	:	English
Producer	:	DREAMS Foundation, Surat
Direction	:	Ananya Jain
Research	:	Praachi Jain
Script	:	Praachi Jain
Sound Recording & Design	:	Ananya Jain
Cinematography	:	Ananya Jain
Editing	:	Ananya Jain
Email	:	drjainmanish@gmail.com

A.W.S.M. (Automated Waste Segregating Machine)



Billions of tons of Waste are generated per year. Due to rapid Urbanisation and Industrialisation, the waste generation will be doubled by 2025. This film explores the present scenario of waste handling in India. Waste contains lots of useful materials such as plastic, paper, metals, organic waste (potential bio fuel), etc. Still it is thrown away. In India, due to improper waste handling; the dump yards generally overflow. Waste contains several useful materials then why the recycling of waste is not happening ? And what can be done? We introduced an emerging innovation - A.W.S.M. (Automated Waste Segregating Machine) which can change the future of waste management. This is a smart autonomous Bot which can classify and separate the waste according to their type. This work is going on in IIT Patna Mechatronics Lab. This Bot is gaining popularity everywhere because of it's innovative idea. Very soon, it's gonna revolutionize the future of waste disposal in India.

A.W.S.M.(Automated Waste Segregating Machine)



Suyash Shreshtha

Theme of the Film	:	Swachh Bharat : Swasthya Bharat
Duration	:	00:05:08
Language	:	English
Producer	:	Suyash Shreshtha
Direction	:	Suyash Shreshtha
Research	:	Sathish G P
Script	:	Suyash Shreshtha, Firdaus Ali
Sound Recording & Design	:	Suyash Shreshtha
Cinematography	:	Suyash Shreshtha
Editing & Graphics	:	Suyash Shreshtha
Email	:	Sshreshtha.suyash@gmail.com

D3ST!NY



The film is about a student who suffers from loneliness. He is disliked by everyone. He lost his mother at a very young age. But, he was very intelligent. At one point of time in his life, he was about to commit suicide because he thought there was no meaning to his life but then he realized that he would have to live for his father as he couldn't imagine his father's life without him. He wanted to be remembered for good. He got an idea of combining science with tech. But then, he decided to make a product called 'Holoposition' which is a hologram and has physical properties like any other person in the world. A person can also video chat with another person through Holoposition. He later becomes a very successful man and regrets for even thinking to commit suicide at one point in his life.

D3ST!NY



Laxya Pahuja

Theme of the Film	:	Technology and Innovations
Duration	:	00:09:56
Language	:	English
Producer	:	Ribhav Sharma
Direction	:	Laxya Pahuja
Research	:	Laxya Pahuja
Script	:	Ribhav Sharma & Laxya Pahuja
Sound Recording & Design	:	Ribhav Sharma
Cinematography	:	Vibhu Verma & Ritik Sapra
Editing	:	Laxya Pahuja
Email	:	ribhavsharma2003@gmail.com laxya.pahuja8@gmail.com

Ek Aasha Ki Kiran



Ek Aasha Ki Kiran is an in-house endeavor conceived, directed and produced by students and staff of Utpal Shanghavi Global School, Mumbai. The film is based on the sustainable development programme taken up by the institution by adopting the village of Katkariwadi in the Wada region of Maharashtra. In phase one, the issue of electrification is dealt with by placing Aakash Deep which is a plastic bottle filled with distilled water and a little bleach which is fixed on the roofs by drilling a hole. Sun rays incident on the water get refracted become omnidirectional and illuminate the room with a brightness equal to 60 watt bulb. School also provided a solar panel, LED bulbs etc. which can provide electricity during day and night as well. As part of the sustainable development farm land was provided without lease and soil was tested to determine its fertility and which crops were suitable. We also tied up with "Amrutha" project of ISKCON which provides food for kids. In phase two, education takes a major role in our sustainable development programme. Our objective of this project is to emphasize that "EDUCATION IS THE ONLY MEANS OF SUSTAINABLE DEVELOPEMENT FOR A NATION".

Ek Aasha Ki Kiran



Sreedevi Murty

Theme of the Film	: Science & Sustainable Development
Duration	: 00:07:05
Language	: English
Producer	: Utpal Shangvi School, Mumbai
Direction	: Sreedevi Murty
Research	: Shanta Chowdhary
Script	: Riddhima Shishupal
Sound Recording & Design	: Jagannath Pujari
Cinematography	: Dubey
Editing	: Meghna Kotvale
Email	: vamurty@rediffmail.com

Oneness with the Infinite



Since ancient times, Ceramic and Glass technology has been associated with human life. Through this movie we tried to bring to light the vastness and versatility of Ceramic and Glass Technology. Starting from pottery, ceramics are now days used in Aerospace application, Bio-Medical application, Defence applications, Environmental & Energy related applications etc. which has been shown briefly in this movie. This movie is directed by Mr.Arjak Bhattacharjee who is doing M.Tech at the Department of Materials Science and Engineering, IIT Kanpur. He got 2nd international prize in "Next Top Demo Competition", organized by American Ceramic Society. This movie has won second International prize in "Next Top Demo Competition", organised by The American ceramic Society in April 2017. Due to infinite areas of application of Ceramics and their importance in every part of human life, name of this movie is given as "ONENESS WITH THE INFINITE". This is one initiative to support Govt.of India's "Make in India" plan.

Oneness with the Infinite

Theme of the Film	: Science for New India
Duration	: 00:08:55
Language	: English
Producer	: IIT Kanpur
Direction	: Arjak Bhattacharjee
Research	: Arjak Bhattacharjee, Shruti Dubey
Script	: Shruti Dubey, Arjak Bhattacharjee
Sound Recording & Design	: Tapobrata Das, Ramchandar
Cinematography	: Badal Pradhan, Manoj Srivastava, Reek Chatterjee, Arka Chakraborty
Editing	: Tapobrata Das
Email	: kbalani@iitk.ac.in, arjak@iitk.ac.in



Arjak Bhattacharjee

Renovative Development



A country's development is determined by its economical growth. And for this several technologies were created but it is affecting the surroundings in many hidden ways, so for a country to be a sustainable it needs to keep its biodiversity safe. Earlier atmosphere was cleaner and suitable for farming and survival of birds, animals and other species. But technology and development in factories, industries has made our environment very polluted. All living things are affected by noise pollution, sound pollution and air pollution. If we would concentrate only on technology then nature will suffer. Our aim is to make earth a good, non polluted and space provided for living things and also to support their needs. Then only our earth will be safe from global warming and pollution. We should all keep in mind that "Earth provides enough to satisfy every man's needs, but not every man's greed".

Renovative Development



A Aravind Kishore R

Theme of the Film	:	Science & Sustainable Development
Duration	:	00:07:32
Language	:	English
Producer	:	University College of Engineering - Dindigul , Anna University
Direction	:	A Aravind Kishore R
Research	:	Aravind Kishore R
Script	:	Kannan B
Sound Recording & Design	:	Aravind Kishore R
Cinematography	:	Kannan D
Editing	:	Aravind Kishore R
Email	:	lakshmidvidyalaya@gmail.com

The Choice



Every cause has an effect. We are accountable for our actions; actions that determine the future of our planet. The slightest of the actions of 7 billion individuals has a huge impact on our earth, the pressure of which is causing our earth to heat up. Global warming which causes climate change is predicted to be so severe in future that it would bring about our doom. The film, "The Choice" is a fictionalized post-apocalyptic look at one individual's ordeal to make a decision that would change the fate of the entire world. The movie talks about how the earth has been consumed by human activities and explains the challenges and solutions of Climate Change. The plot symbolizes that the power of change lies with everyone and anyone. One person is enough to start a ripple of changes that might save our Earth. Details:

The Choice



Priyanka Dasgupta

Theme of the Film	:	Challenges and Solutions
Duration	:	00:07:46
Language	:	English
Producer	:	Priyanka Dasgupta
Direction	:	Priyanka Dasgupta
Research	:	Priyanka Dasgupta, Jyoti Yadav, Reshma V. Menon, Ritesh Gautam
Script	:	Priyanka Dasgupta
Sound Recording & Design	:	Vivek Gupta
Cinematography	:	Reshma V Menon, Ritesh Gautam, Jyoti Yadav
Editing	:	Priyanka Dasgupta
Email	:	dasguptapriyanka6@gmail.com

Where has the sparrow gone?



This short-film shows the how number of sparrows is decreasing now a days and how the climate change affects the presence of sparrows. This film gives us solution regarding this climate change. The story of the film revolves around the a school going girl of 12 yrs old and her Sister. The girl whose name is Pari is having difficulty in writing essay about sparrow, which is an assignment given to her in school. Her Sister understands her problem and try to help her by showing sparrow on Internet. But she refuses to see sparrow virtually. Then both the girls plant some plant in pots and keep water for sparrow. Pari waits for sparrow for 5 days but sparrow didn't come. And then she gave up. She request her sister to let her watch sparrow on internet ... but at that time a sparrow comes. She writes an essay.

Where has the sparrow gone?



Rushikesh Daud

Theme of the Film	:	Climate Change : Challenges & Solutions
Duration	:	00:09:58
Language	:	Marathi
Producer	:	Deogiri Institute of Engineering and Management Studies, Aurangabad, Maharashtra
Direction	:	Rushikesh Daud
Research	:	Rushikesh Daud
Script	:	Rushikesh Daud
Sound Recording & Design	:	Soham Khambete
Cinematography	:	Rushikesh Daud
Editing	:	Piyush Kothari
Email	:	admin@dietms.org, hrishikesh199715@gmail.com

SWWAMPURNA



Development may be looked upon as a process where in through certain pre-planned and well strategized initiatives, the condition of a target community living in challenging situations of denial and deprivation. This initiatives also take into account the needs and requirements of the future along with not compromising with the fundamental issues of human welfare of tomorrow. It is also well charted experience now, if the tools and principles of communication are simultaneously right from the concept to the commissioning of the initiatives, then the chances of making development sustainable and cost effective will become significantly high. This movie endeavor to improve awareness and a critical sense of responsibility amongst its viewers on the typical topic of teenage pregnancy – a social irritant that is still plaguing India. As a solution, digital interventions using “Aadhar Card” is proposed.

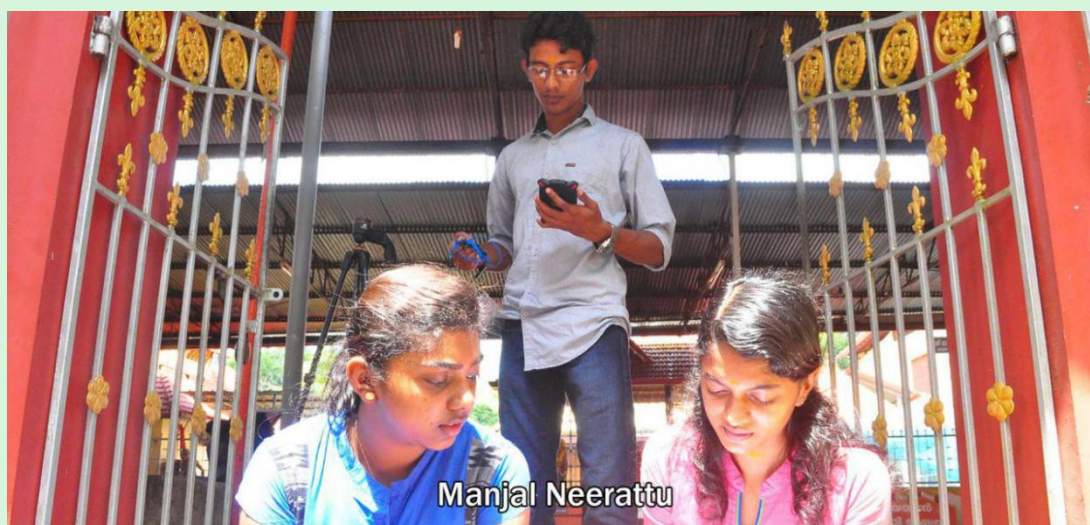
SWWAMPURNA



Neeti Kesarwani

Theme of the Film	:	Technology and Innovations
Duration	:	00:09:45
Language	:	English
Producer	:	Birla Institute of Technology, Mesra, Ranchi, Noida Campus, Dept.of A&M
Direction, Cinematography	:	Neeti Kesarwani
Research	:	Neeti Kesarwani, Dr Suparna Dutta
Script	:	Neeti Kesarwani, Amit Jain
Sound Recording & Design	:	Neeti Kesarwani, Taranjot Singh, Satyajeet
Graphics	:	Tanvi
Storyboard and Drawing	:	Satyajeet, Anurag Gogoi, Gyani Saurabh, Avantika, Durgesh Pandey
Editing, Visual Effects	:	Taranjot Singh, Satyajeet
Animation	:	Rahul Dora, Taranjot Singh Hora
Email	:	neeti.kesarwani@gmail.com

Manjal Neerattu



'Manjal Neerattu' is an attempt to make new generation aware about India's hidden and forgotten off traditions, cultures, rituals and practices with a hope to revive and re-establish the knowledge passed down through generations. The film takes the example of Turmeric (*Curcuma longa* Linn) which is a first-aid medicine, a food additive, a dye, an indicator and many more for every Indian household. This magic spice is used in many religious practices in India like *Manjal Neerattu* since ages but surprisingly in 1995, two American scientists from University of Mississippi were granted patent on 'the use of turmeric in wound healing'. A re-examination of this patent was filed by the CSIR in 1997 and it was the first time that a patent based on traditional knowledge of a developing country was successfully challenged. India is enriched in its diversity and it is the responsibility of our generation to document and carry forward the wide sphere of wisdom lurking in those olden heads. Innovation is good but the past would always provide the inspiration.

Manjal Neerattu



Didimos Johnson P

Theme of the Film	:	Science for New India
Duration	:	00:06:11
Language	:	English
Producer	:	IIRBS, MG UNIVERSITY
Direction	:	Didimos Johnson P
Research	:	Ragenduv, Aina Antony
Script	:	Ragenduv
Sound Recording & Design	:	Thejus K Rajiv
Cinematography	:	Didimos Johnson P
Editing	:	Didimos Johnson P
Email	:	Didimos007@gmail.com

Foreign Films

The Taste of Korea - The Taste of Seoul, A Special Tune in Namdaemun



This video takes you to Namdaemun market where delicious food from across South Korea is gathered in one place. This footage takes a look into various dishes of Namdaemun market which represent Korea's taste including silver hairtail fish dish that attracts gourmets with its spicy flavor in nickel silver pots, beef bone soup handmade by masters with its traditional flavor protected over a long period of more than 50 years, chopped noodles handmade by experienced old ladies as well as chewy and soft pork feet dish that everyone is keen to have.

Country: **South Korea**, Producer - YTN science PD, Chang lim Yoo

The Taste of Korea - Cheonggukjang and Tofu, The Soybean as the King of Ingredients



This video is about cheonggukjang, an outstanding fermented food which shows wisdom of our ancestors who have abided the law of nature for a long time and another special food, tofu which matches well with cheonggukjang. Both cheonggukjang and tofu are representative food made with beans as main ingredients which can easily be found in Korea. The process for making cheonggukjang with the taste of hometown, full of pleasant aroma from snow-white tofu and fully boiled beans which boasts tender yet deep flavor as well as scientific principles for making it are showcased in the footage.

Country: **South Korea**, Producer - YTN science PD, Chang lim Yoo

Exploring Korean History - Hanbok, Korea's Scientific Masterpiece



This video clip introduces beautiful traditional Korean dress, Hanbok that have existed for 1,500 years throughout the Korean history of 5,000 years. The new story hidden behind Korea's great artwork, Hanbok is made known to the world being created with the wisdom of our ancestors including beautiful balance and freedom made possible by simple lines of Hanbok and the principle of circulation of human body hidden behind the wide and comfortable fit.

Country: **South Korea**, Producer : YTN science PD, In-Sik Park

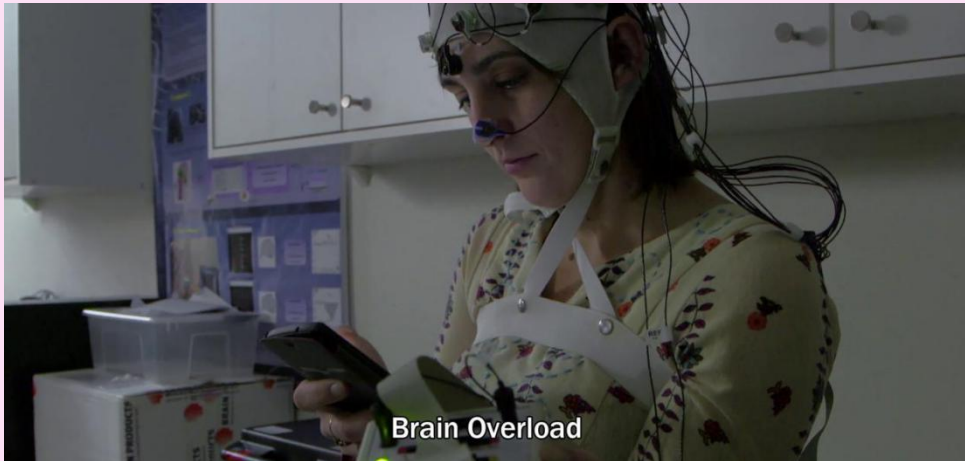
Exploring Korean History - Technique to manage fire and heat, Ondol, South Korea



Korea with four distinct seasons has excellent technologies for controlling fire and heat as a way to overcome cold winter. The Ondol system was first invented in Korea and it is a very original and smart invention as it provides warmth to indoors by heating stone. This video clip portrays the history of Ondol that has been deeply rooted in the food, clothing and shelter of the Korean people for thousands of years and has revolutionized the living environment of Korea by being transformed and improved by outstanding technicians for a long time. It also looks into the interesting scientific principles of Ondol so that we can learn from our ancestors' wisdom.

Country: **South Korea**, Producer: YTN science PD, In-Sik Park, ispark@ytn.co.kr

Brain Overload



Emails, SMS, live threads, blogs, social networks, e-commerce, etc. - the flood of information that has inundated the planet for the past few years does not concern only institutions, multinationals or research centers. We are directly affected on a daily basis in our private and professional lives. Does this ceaseless flow of information have an effect on our health? Has it engendered new diseases? While the human brain can only process a limited number of tasks at the same time, our current information society is pushing its capacities to the extreme. Is there a point where our brain becomes incapable of processing the information it receives? Do we need to learn how to filter and if so, how? Can we adapt and are we the only ones involved in this adaptation? And what if it were up to the tools to adapt to our needs?

Country: **France**, Producer: Inserm (French National Institute of Health and Medical Research)

Immerstar, Virtual Reality Platform



Resulting from a partnership between Inria Rennes and the Irisa laboratory, Immersia, a virtual reality platform is used for national and European research projects, both for science and industry. Immerstar is a unique experimental platform for studying large-scale human movements. Whether it is sport situations, individual or collective, up to crowd simulation, the platform is coupled with a virtual reality environment. This platform of virtual reality allows us to immerse ourselves in the environment that we seek to study.

Country: **France**, Producer: INRIA (French Institute for Research in Computer Science and Automation)

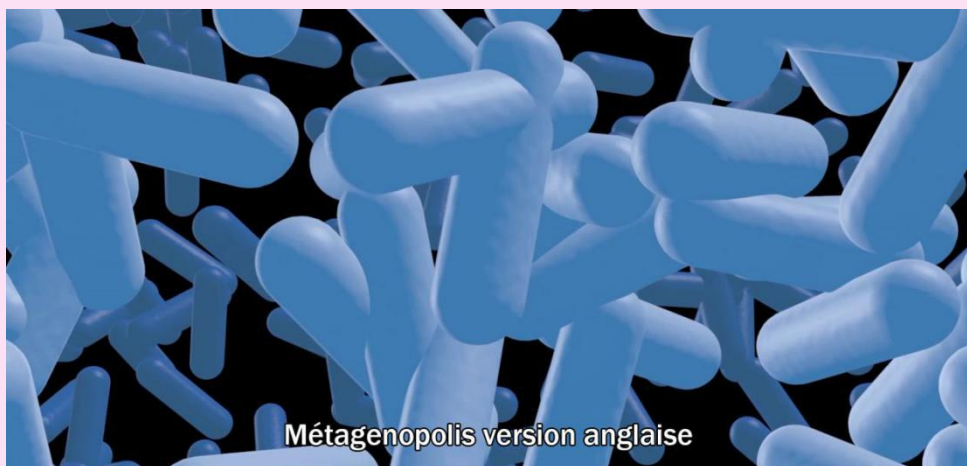
Euro-Argo: towards a sustained European contribution to Argo



The science of climate dynamics and climate change is one of the most pressing issues of our century. Understanding and predicting changes in both the atmosphere and the ocean are needed to guide international actions, to optimize governments' policies and to shape industrial strategies.

Country: **France**, Producer: IFREMER (French Research Institute for Exploitation of the Sea)

Métagenopolis version anglaise



This film tells how to protect, repair, transplant, or even reprogramme our intestinal bacteria for therapeutic or preventive purposes, for example via our diet? The MetaGénoPolis project is the tool for a revolution that places intestinal microbiota at the heart of human health and well-being.

Country: **France**, Producer: INRA (National Institute of Agricultural Research), France

Biomaterials - Patent Solutions from Nature



Animals and plants can produce amazing materials such as spider webs, wood or bone using only a few raw materials available. How do they achieve this? And what can engineers learn from them? This German film explain all these.

Country: **Germany**, Producer : Massih Media

Intelligent Systems - Computer Learn to Understand the World



Autonomous systems such as robots or self-driving cars are expected to play an increasingly important role in future. Initially, however, they must learn how to safely negotiate their environments. To this end, Michael Black teaches them to recognize people as such: a technology that will enable even more amazing applications.

Country: **Germany**, Producer : Massih Media

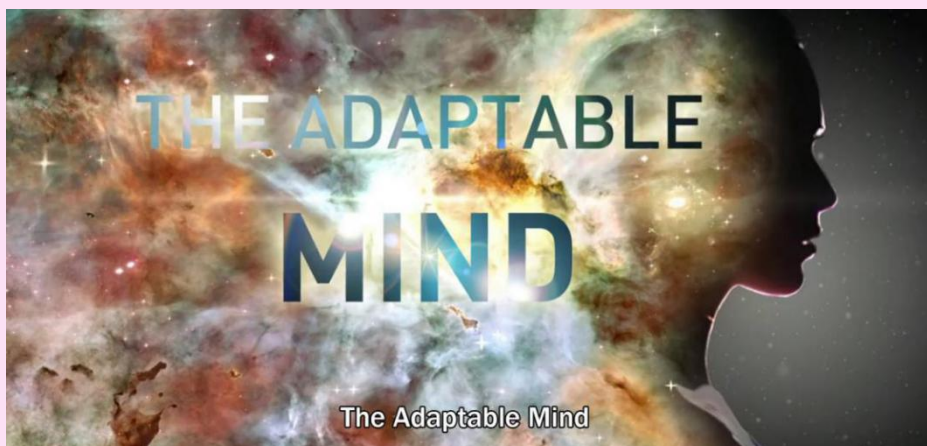
She Started It



Following five women over two years as they pitch VCs, build teams, bring products to market, fail and start again, 'She Started It' takes viewers on a global roller coaster ride from San Francisco to Mississippi, France and Vietnam. Along the way, it weaves in big-picture perspectives from women like investor Joanne Wilson; White House CTO Megan Smith; GoldieBlox CEO Debbie Sterling; and Ruchi Sanghvi, the first female engineer at Facebook. Through intimate, action-driven storytelling, this film explores the cultural roots of female under-representation in entrepreneurship—including pervasive self-doubt, fear of failure, and risk aversion among young women. It exposes, too, the structural realities women face as they become entrepreneurs, including lack of female role models and investors, and the persistent dearth of venture capital funding made available to women-led companies.

Country: **USA**, Producer: Insiyah Saeed, Director: Nora Pogg

The Adaptable Mind



The Adaptable Mind asks the question: what are the skills we need to flourish in the 21st Century? Of the hundreds of inspiring stories that flooded in from social media, one stood out: Los Angeles-based professor and artist, Mary Beth Heffernan, was listening to coverage of the Ebola epidemic in West Africa and how isolating and traumatic it must be for patients to interact only with hazmat suits for weeks on end. She thought, "what if they put pictures of their faces on the front of the suits?" Thousands of letters, grants, and hurdles later, Mary Beth's story reveals that, while there is a lot of fear that technology is displacing our jobs, the skills we need most in the 21st Century - curiosity, creativity, taking initiative, multidisciplinary thinking, and empathy - happen to be skills that machines don't have; only humans have.

Country: **USA**, Director: Tiffany Shlain

Hidden Figures



Three brilliant African-American women at NASA - Katherine Johnson (Taraji P. Henson), Dorothy Vaughan (Octavia Spencer) and Mary Jackson (Janelle Monáe) - serve as the brains behind one of the greatest operations in history: the launch of astronaut John Glenn (Glen Powell) into orbit, a stunning achievement that shaped the Space Race and galvanized the world. Nominated for three U.S. Academy Awards (Best Picture, Best Supporting Actress, Best Adapted Screenplay).

Country: **USA**, Director: Theodore Melfi, Producer: 20th Century Fox

Sweden, Leading the World in Innovation



This film presents Swedish cutting-edge research. This short and informative film is perfect for use as an introduction or backdrop in conjunction with a seminar, a fair or some other event. They can also be embedded into websites or social media pages when promoting innovative Sweden.

Country: **Sweden**, Source: Sweden Embassy, New Delhi

Importing Garbage for Energy is Good Business for Sweden



Everyone produces waste, and the Swedes are no different. It's what they do with it that is unusual. Sweden recycles and sorts its waste so efficiently that less than 1 percent ends up in landfills. But perhaps even more interesting, and somewhat controversial, is that Sweden burns about as much household waste as it recycles, over 2 million tons, and converts this to energy. But even with this amount of domestic waste, the country's 32 waste-to energy (WTE) incineration plants can handle even more. And when Sweden runs out of its own garbage, it offers a service to the rest of garbage-bloated Europe: importing excess waste from other countries.

Country: **Sweden**, Source: Sweden Embassy, New Delhi

In Sweden, Cash is No Longer King



In Sweden, cash is no longer king. When you ask people on the shopping streets of Stockholm when they last paid for something in cash, many have to think a bit. Was it yesterday, or perhaps last week? Digital payments via card or mobile app have become so widely accepted that many Swedes no longer carry cash at all. Indeed, there is such a high level of trust in the digital transaction system, that even children often pay with their debit cards.

Country: **Sweden**, Source: Sweden Embassy, New Delhi

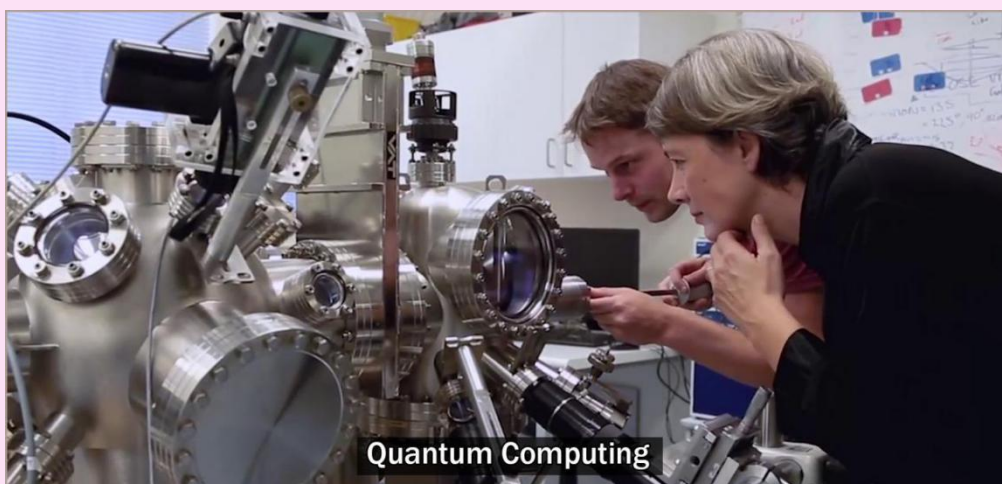
Reducing the Burden of Injury in Australia and India



A person dies from traumatic injuries as a result of a road accident every four minutes in India. In Australia, over 1200 deaths were caused by road accidents in 2015. Australia's National Trauma Research Institute and the All India Institute of Medical Science are investigating the effects in India of a number of innovations in systems of trauma care and rehabilitation.

Country: **Australia**, Producer: Australian Department of Industry, Innovation and Science

Quantum Computing



Understanding and controlling noise has become critical for the development of quantum computers and the continued miniaturisation of traditional computers. Collaboration between the University of New South Wales and the Indian Institute of Science combines Australia's state-of-the-art fabrication facilities and India's ultra-sensitive noise measurement apparatus - with great results.

Country: **Australia**, Producer: Australian Department of Industry, Innovation and Science

Fuck Fossils - a future you don't want



"Fuck Fossils - a future you don't want" is a Norwegian short film about two teenagers struck at home babysitting, during a rainstorm in November 2050. Their every day life carries the weight of climate change and the question on their mind is whether the world has managed to stop at the two-degree target? The film is based on the report "A future you don't want" by Thomas Cottis. The film is funded by The Research Council of Norway as part of the programme KLIMAFORSK. The film is produced by Snöball film. The film won the Prize Golden Green Award in the category "INFO- fight and adaption to climate change" in Deuville Green Awards i Frankrike, this summer, a competition for films about the environment and sustainable development.

Country: **Norway**, Director: Marianne Kleven

Preventing HIV risk in Southern Africa



Research on HIV prevention led to a Cash plus Care programme that has helped over two million girls in 10 African countries avoid contracting HIV/AIDS since 2014. Professor Lucie Cluver, University of Oxford and her team are finalists for Outstanding International Impact in the ESRC Celebrating Impact Prize 2017.

Country: **UK**, Producer: Economic and Social Research Council, U.K.

Changing the Policy Mindset on Cycling



Dr. Rachel Aldred's research has directly shaped the transformation in Transport for London's (TfL) cycling policy over the last decade, helping to increase cycling spend from 50p to £10 per head and the development of improved guidance for designing cycling infrastructure in London. Her research led to the creation of London's first international-quality 'cycle superhighways', providing segregated cycle tracks that separate cyclists from motor traffic. The free online Propensity to Cycle Tool (www.pct.bike), which she helped develop, is being used by transport planners and policymakers to prioritize investment by helping them decide where cycling has the greatest growth potential.

Country: **UK**, Producer: Economic & Social Research Council, U.K.

30 Years of Healing the Ozone Layer - How it all happened



2017 marks the 30th anniversary of the Montreal Protocol, the international agreement that has led to the phase-out of more than 99% of ozone-depleting chemicals and significantly contributed to climate change mitigation. The Protocol garnered the support of stakeholders from 197 countries, signaling a truly global effort to make changes for a greater good. As of today, the ozone layer is showing signs of healing and is set to recover by the middle of the century. Professor John Pyle, Dr Neil Harris and colleagues at the University of Cambridge and the National Centre for Atmospheric Science played a leading role in demonstrating the effect of man-made gases on the ozone layer, and the consequences for human health.

Country: **UK**, Producer: The Natural Environment Research Council, U.K.

Guglielmo Marconi, the Man, the Scientist and the Inventor



80 years after the death of Guglielmo Marconi, his figure is celebrated as an author of insights on which the most innovative communications developments are based, as a great search engineer and as a totally independent science man. In 2017, furthermore, we celebrate the 90 years since his presidency of the Italian National Research Council (CNR). The documentary tells the figure of Marconi focusing on three aspects: the man, the scientist, the inventor. "With its applications of the radio waves, Marconi had begun the innovation on science and technology in the wireless communications and radio broadcasting.

Country: **Italy**, Producer: CNR WEB TV, National Research Council (Cnr), Italy

The Sea at the end of the Earth



Antarctica is a remote land that generates particular scientific interest due to its unique features. The Marine protected area in the Ross Sea was created with the aim of protecting the biodiversity of this place. All research activities have taken place under the National Antarctic Research Program (PNRA). They have received a financing grant by the Miur and two national bodies are involved: the Cnr for the coordination of the scientific researches and the Enea as far as logistic operations are concerned. The film production is by Cnr's web tv and it shows the activities done by researchers, that work in an extreme area almost entirely covered by ice.

Country: **Italy**, Producer: CNR WEB TV, National Research Council (Cnr), Italy

International Partners



Australian Government

**Department of Industry,
Innovation and Science**



**British
High Commission
New Delhi**



**RESEARCH
COUNCILS UK
INDIA**



MAX-PLANCK-GESELLSCHAFT



Liberté • Égalité • Fraternité

RÉPUBLIQUE FRANÇAISE

AMBASSADE DE FRANCE EN INDE

FRENCH EMBASSY IN INDIA

SECTION FOR SCIENCE & TECHNOLOGY

**INSTITUT
FRANÇAIS**

INDIA



YTN science



EMBASSY OF SWEDEN

NORWAY



*Ministero degli Affari Esteri
della Cooperazione Internazionale*



**Ambasciata d'Italia
New Delhi**



For more details please contact

Vigyan Prasar

Department of Science & Technology,
Government of India

A-50 Sector - 62, Noida - 201309

Website: <http://www.vigyanprasar.gov.in>

email: nsff.vp@gmail.com

Vijnana Bharati

C-486, Defence Colony
New Delhi - 110024

Phone: +91 11- 41040846, +91-9811944078

Website: <https://vibhaindia.org/>