



India and Germany- Strategic Partners for Innovation

March 8th, Bangalore, Indo-German Innovation Platform, “IMPROVING QUALITY OF LIFE” (status: 1. March 2010)

| | |
|-------------|--|
| 2.00 – 2.05 | Welcome Ms Anandi Iyer, representative of the German Research Campaign India and Germany: Strategic Partners in Innovation |
| 2.05 – 2.25 | Key Note Speech Shrikumar Suryanarayan (requested) |
| 2.30 – 2.40 | Collaboration in Life Sciences between India and Niedersachsen/Germany Dr Albrecht Laeufer, LSNI - Life Science Niedersachsen goes India, Corvay GmbH, Germany |
| 2.40 – 2.50 | Indo-German Plant Science and Structural Biology Network Juelich Guenter Lincks, Forschungszentrum Juelich, Germany |
| 2.50 – 3.00 | From Industrial Biotech to Bioinformatics – Cooperation between Central Germany and India Harald Wolf, BioSPIIn - Biotechnology Sustainable Partnering in India, BIO Mitteldeutschland, Germany |
| 3.00 – 3.10 | Translational Regenerative Medicine; Paving the Way for Indo-German Research and Training Infrastructures Joeri Borstlap, Coordinator, Regenerative Medicine Initiative, Berlin, Germany Prof. T. Skutella, Center for Regenerative Medicine Tuebingen |
| 3.10 – 3.20 | Indo-German Healthcare Projects Dr. Heinrich Cuypers, Network of German Health Regions (NDGR)/Berlin, Germany |
| 3.20 – 3.50 | Tea / Networking |
| 3.50 – 6.00 | I. VACCINES, ANTIBODIES, DIAGNOSTICS AND BIOINFORMATICS Chair: Dr Albrecht Laeufer/Corvay GmbH, Harald Wolf/BIO Mitteldeutschland Computer Aided Design of Biological Systems Dr Pawan Dhar, Consultant , Centre for Bioinformatics, Kerala University Grid/Cloud Computing in Systems Biology P. Harikumar, Chief Executive Officer of Travancore Analytics Pvt Ltd, Trivandrum The Indian Role within a Global Bioinformatic Company Michael Tysiak, Biobase GmbH, Wolfenbuettel/Bangalore Improving Diagnosis of Streptococcal Infections Dr Patric Nitsche-Schmitz, Helmholtz Center for Infection Research, Braunschweig, Germany Discussion |



India and Germany- Strategic Partners for Innovation

| | |
|-------------|--|
| 3.50 – 6.00 | <p>II. INNOVATIONS FOR OPTIMIZED PLANT PRODUCTION</p> <p>Chair: PD Dr Heike Schneider, Forschungszentrum Juelich</p> <p>Strategies for Sustainable Biomass Production: The Indian Perspective (working title) (N.H. Ravindranath, IISc, Bangalore, tbc)</p> <p>Plant Molecular Biology and Biotechnology: Opportunities for Innovative Plant Production (working title) (Indian contribution, speaker tbc)</p> <p>German Initiatives for Optimized Plant Production: Prospects for Transgenic Plant Improvement Prof. Dr Hans-Joerg Jacobsen, Plant Genetic Institute, Leibniz University Hannover</p> <p>IT-Breeding: Precision Breeding by an Integrated Resource for Knowledge Transfer Dr Lyudmyla Malysheva-Otto, IT Breeding GmbH, Gatersleben</p> <p>Plant Phenotyping Networks: From Local to Global Approaches PD Dr Heike Schneider, Forschungszentrum Juelich</p> <p>Wrap-up and Round Table Discussion</p> |
| 3.50 – 4.55 | <p>III: IMPROVED HEALTHCARE & REGENERATIVE MEDICINE</p> <p>Chair: Dr. Heinrich Cuypers /NDGR</p> <p>Stroke Prevention and Treatment in India Stephan von Bandemer, Institute for Work and Technology, Gelsenkirchen</p> <p>Traffic Accident Research and Road Safety. Vision of a prospective German-Indian Cooperation Dr med. Uli Schmucker, Ernst-Moritz-Arndt-University Greifswald</p> <p>Cancer Prevention and Treatment in India Prof. Dr Hartmut Weigelt, Medecon Ruhr, Bochum, Germany</p> <p>German - Indian cooperation – A Case Study in Medical Technology Dr Heinrich Cuypers, BioCon Valley, Greifswald, Germany</p> <p>Discussion</p> |
| 4.55 – 6.00 | <p>Chair: Joeri Borstlap/RMIG</p> <p>Translational Technologies in Regenerative Medicine; Cryopreservation, Functional Genomics, Physiological Assays Prof. J. Hescheller, University of Koeln, Institute for Neurophysiology</p> <p>Regeneration of the Central Nervous System – Examples from Germany Prof. J. Winkler, University Hospital Erlangen</p> <p>Translational Approaches of the new Indian Stem Cell Institute; CSCR, CECAMP, CellBank, Hydra Prof. J. Dhawan, Indian Stem Cell Institute (tbc) Prof. S. Ramaswamy (tbc)</p> <p>Round Table Discussion</p> |
| 06.00 | <p>EmTech Reception/ Networking Dinner</p> |



Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas



India and Germany- Strategic Partners for Innovation

March 9th, Bangalore, Indo-German Innovation Platform

| | |
|---------------|--|
| 14:00 – 14:10 | Introduction Mr Andreas Kirchner, BMBF |
| 14:10 – 14:25 | "Sustainability - Concepts and Technical Realisations in IWRM and Energy Supply" Prof. Dr. Wolfgang-Albert Flügel, Friedrich-Schiller-University of Jena, Dept. of Geoinformatics, Hydrology and Modelling |
| 14:25 – 14:40 | Sustainability – The view from Academia and Industry IIT Madras and Pronab Dasgupta, TERI Bangalore (requested) |
| 14:40 – 14:55 | Overview presentation on the focal point Water Riverbank Filtration Network, 5 min Prof. Dr. Thomas Grischek, University of Applied Sciences Dresden, Division of Water Sciences INDO-GERMAN WATER network – planning and rehabilitation of water supply and wastewater systems, 5 min: Dr.-Ing. Martina Scheer, Engineering Consultants Scheer, project leader INDO-GERMAN WATER network MOSIS network - monitoring and sustainable optimization of irrigation schemes, 5 min Prof. Dr. Wolfgang-Albert Flügel, Friedrich-Schiller-University of Jena, Dept. of Geoinformatics, Hydrology and Modelling |
| 14:55 – 15:05 | Presentation on Water issues in India Managing Director, Karnataka Water Supply & Sewage Board (tbc) |
| 15:05 – 15:20 | Potential and Use of Renewable Raw Materials The SUGAR Project (Submarine GAs Hydrate Resources) - combining carbon sequestration and natural production, 7.5 min Robin Hanna, IFM-GEOMAR, Kiel Renewable Resources for the Production of Lignocellulose-Based Panels, 7.5 min Dr. Dirk Berthold, Fraunhofer Institute for Wood Research WKI |
| 15:20 – 15:30 | “Renewable Resources in India Mr Rabindra Satpathy, Reliance(requested) |
| 15:30 – 15:50 | Coffee Break |
| 15:50 – 18:00 | Focal point Water Supply and Wastewater Systems Chair: Dr. Martina Scheer, Engineering Consultants Scheer, Sonthofen Integrated Wastewater Management : Dr.-Ing. Martina Scheer, Engineering Consultants Scheer, project leader INDO-GERMAN WATER network „IT based Planning, Simulation and Operation of Sewerage, Water Supply and River Networks” Dipl.-Inf. Gerald Angermair, Head of department Research & Development, tandler.com ltd. Decentralized Water Treatment - Subterranean Arsenic Removal Dipl.-Ing. Manuel Krauss, University of Stuttgart |



India and Germany- Strategic Partners for Innovation

| | |
|----------------------|--|
| | <p>Non destructive inspection and monitoring of water piping systems and concrete infrastructure Dr.-Ing. Eckhardt Schneider, Fraunhofer Institut Zerstörungsfreie Prüfverfahren IZF</p> <p>Discussion</p> |
| <p>15:50– 18:00</p> | <p>Focal point Integrated Water Resources Management (IWRM) and Riverbank Filtration (RBF)</p> <p>Chair: Dipl. Min. Christoph Böhm, GDS GmbH</p> <p>The Jena Environment System Analysis Toolset (JESAT) for climate change impact assessment and interdisciplinary cooperation in IWRM – 20 min Prof. Dr. Wolfgang-Albert Flügel, Friedrich-Schiller-University of Jena, Dept. of Geoinformatics, Hydrology and Modelling</p> <p>Discussion IWRM – 15 min</p> <p>Riverbank Filtration as a technique of IWRM – An example of the RBF demonstration site at Haridwar – 20 min: Prof. Dr. Thomas Grischek and MSc Cornelius Sandhu , University of Applied Sciences Dresden, Division of Water Sciences</p> <p>Riverbank Filtration at Mathura at the River Yamuna – 20 min :MSc Nisha Luckins, Indian Institute of Technology Roorkee</p> <p>Behaviour of Organic Contaminants during Riverbank Filtration for Drinking Water Supply – 20 min: Dr. Hilmar Börnick, Dresden University of Technology, Institute for Water Chemistry</p> <p>Discussion IWRM and Riverbank Filtration</p> |
| <p>15:50 – 18:00</p> | <p>Focal point “Potential and Use of Renewable Resources in India“</p> <p>Chair: Dr. Dirk Berthold, Fraunhofer Institute for Wood Research WKI</p> <p>"SUGAR-A: New geophysical methods for submarine gas hydrate exploration" Dr. Katrin Schwalenberg (Bundesanstalt für Geowissenschaften und Rohstoffe, Hannover) - 15 minutes</p> <p>"SUGAR-B: New methods and innovative concepts for gas hydrate exploitation" Dr. Judith Schicks (Geoforschungszentrum, Potsdam) - 15 minutes</p> <p>“Non-wood materials as a resource for the wood-based panel industry” Prof. Dr. Volker Thole (Fraunhofer Institute for Wood Research WKI) - 15 minutes</p> <p>“The wood-based panel industry in India: Limitations and Opportunities” (N.N.) – 15 min</p> <p>“Technological solutions for the wood based panel industry in India” Mr. Tilman Helmer (Dieffenbacher GmbH) – 15 min</p> |



India and Germany- Strategic Partners for Innovation

March 12th, Pune

Indo-German Innovation Platform Production Technologies

| | | |
|---------------|---|--|
| 12:00 – 13:00 | Welcome by Andreas Kirchner and representative MCCIA followed by Lunch | |
| 13:00 – 15:30 | <p>Sustainable Manufacturing Chairman: PD Dr. C. Herrmann</p> <p>Prof. A. Weckenmann – Univ. Erlangen <i>Requirements in education and training for establishing sustainable controlled manufacturing processes</i></p> <p>PD Dr. C. Herrmann – TU Braunschweig <i>Efficiency and Effectiveness in Production</i></p> <p>Prof. Dr. K. S. Sangwan – BITS Pilani <i>Sustainable Manufacturing</i></p> <p>Ms. A. Postawa – TU Berlin <i>Enabling for Competitive Manufacturing on Different Technological Levels</i></p> <p>Ms. K. Ritter – ENCROS GmbH <i>Value creation in material cycles</i></p> | <p>Energy- and Plasma Technology Chairman: J. Kallok / Prof. Roepcke</p> <p>J. Kallok - deENet <i>Cluster-Network Germany-India</i></p> <p>C. Holzäpfel – Limon GmbH <i>Energy efficiency and Trigeneration for industrial processes</i></p> <p>W. Gebing – GNE <i>GNE - Education programmes for specialists</i></p> <p>A. Scheer – ZUB e.V. <i>Energy efficient buildings</i></p> <p>Ms. Dr. B. Schumacher – DBFZ <i>Waste-to-energy: Biomass plants for biogas generation from waste: Indo-German Research and Business Opportunities</i></p> <p>Mr. H. Thomas - Plazma Technologies Pvt. Ltd <i>Industrial plasma cutting</i></p> <p>Mr. H. Bruellau - Plazma Technologies Pvt. Ltd <i>Research trends for the use of plasma torches</i></p> |
| 15:30 – 16:00 | Coffee break | |
| 16:00 – 18:15 | <p>The Future of Printing in a changing Environment Chairman: Prof. Dr. A. Hübler / Dr. G. Schlegl</p> <p>Prof. Dr. A. Hübler – TU Chemnitz <i>Printing in the 21st century</i></p> <p>Dr. H. Kempa – TU Chemnitz <i>Power from paper - printing of photovoltaic cells</i></p> <p>K. Prayagi – Gate Mumbai <i>Standardised print production for the indian market</i></p> <p>M. Schnitzlein / M. Kulkarni - Chormasens</p> | <p>Energy- and Plasma Technology Chairman: J. Kallok / Prof. Roepcke</p> <p>A. V. Dixit - H.FILLUNGER & CO. PVT. LTD. <i>Company activity in the field of Vacuum Technology</i></p> <p>M. Hanf - Roth & Rau Microsystems <i>Company activity in the field of Vacuum Technology</i></p> <p>Prof. S. Mukherjee - Facilitation Centre for Industrial Plasma Technologies at IPR <i>Plasma Technologies at Institute for Plasma Research</i></p> |



Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas



India and Germany- Strategic Partners for Innovation

| | | |
|---------------|---|--|
| | GmbH <i>Digital Image Capture and Inspection for Quality Assurance</i> | Prof. Dr. J. Röpcke – neoplas control <i>Highly sensitive real-time process gas monitoring</i> A. Schwock - INP/BalticNet-PlasmaTec <i>Plasma technological focuses of the INP and overview of BalticNet-PlasmaTec</i> enquired N.N. - Council for Scientific and Industrial Research (CSIR) <i>Plasma technologies within the CSIR</i> enquired N.N. - Physical Research Laboratory <i>Plasma Physics at the Physical Research Laboratory enquired</i> enquired N.N. – Plasma Science Society of India <i>Plasma technological focuses in India</i> |
| 18:15 – 18:30 | Closing Remarks Chairmen Sessions | |
| 18:30 – 20:00 | Break | |
| 20:00 | Dinner | |

March 13th, Pune

Indo-German Innovation Platform Production Technologies

| | |
|---------------|--|
| 09:00 – 11:45 | Manufacturing Technology and Quality Control in Automotive Production Chairman: Dr. E. Schneider Dr. M. Jöckel – Fraunhofer LBF Darmstadt <i>Fraunhofer System Research for Electric Mobility</i> S. Patel – Group Synergy <i>Methods for Sustainable Value Adding in the Automotive Industry</i> R. Chaudhari – Fraunhofer ICT <i>Composite technologies for automotive light weight construction</i> Dr. S. Nestmann – Fraunhofer IWU Chemnitz <i>Simulating Air Flows for Chip Removal in Dry Machining</i> Dr. E. Schneider – Fraunhofer IZFP Saarbrücken <i>Non-Destructive Techniques and Systems for Process and Quality Control in the Automotive and Supplier Industry</i> |
| 11:45 – 12:00 | Closing Remarks |
| 12:00 - 13:00 | Lunch break / Snacks |
| 13:00 – 18:00 | Meeting with partners / Visiting companies |



India and Germany- Strategic Partners for Innovation

| | |
|---------------|--------------------------|
| 18:00 – 19:00 | Dinner / Snacks |
| 19:00 – 22:00 | Travel to Mumbai Airport |
| 22:00 | Arrivals Mumbai Airport |



Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas