



Daily programme of lectures, demonstrations

NB. The two official languages of the Symposium are English and French.

MONDAY 25 APRIL 2011 - MORNING

08:00-09:00 Registration of participants

09:00-09:55 Welcome to participants and inauguration of ISEND 2011 Europe

Lectures 1st Session (09:55-12:45) - "Natural Dyes, across ages and around the world"

This is an introductory session aiming at presenting the very diverse situations of natural dyes in the different regions of the world.

Chairperson : Dr Dominique CARDON, Senior Researcher CNRS (National Centre of Scientific Research), CIHAM/UMR 5648, Lyon, **France**

- 09:55-10:10 Pr Kazuki YAMAZAKI (Japan), Tohoku University of Art and Design: « Traditional Safflower Dye of Japan »
- 10:10-10:25 Mr Kuenzang TOBGAY (Bhutan), artist: « Natural Dyes in Bhutan »
- 10:25-10:35 Dr Riikka RÄISÄNEN (Finland), University of Helsinki: « Local dye plants from the Northern hemisphere – tradition and new applications in Finland »
- 10:35-10:53 Ms Anne DE LA SAYETTE, Ing. (France), Director CRITT horticole (Centre of Research, Innovation and Technology Transfer in Horticulture), film: « An example of valorisation of a plant dye source from marshes of the west of France for industry and design »

10:53 -11:20 Coffee break

- 11:20-11:35 Dr Maximilienne NYEGUE (Cameroon), University of Yaoundé-I: « Dye Plants of Cameroon, from tradition to new research »
- 11:35-11:45 Pr Mouhoussine NACRO (Burkina Faso), University of Ouagadougou: « Reviving indigo dyeing in the north of Burkina Faso »
- 11:45-12:00 Ms Mabel Carmen LADAGA, AIDICA Fundación iberoamericana artesanías, and Luciana MARRONE, Association Aires naturales AAQCT (Argentina): « Natural dyes in textile productive chains in Argentina (A) - New roles for natural dyes in Argentinian textile production (B) »
- 12:00-12:15 Ms India FLINT (Australia), artist: « Colours of the red island – Australia: indigenous and immigrant use of dyes and stains derived from nature; history, actuality and prognosis »
- 12:15-12:30 Pr Edouard HNAWIA and Dr Pierre CABALION (New-Caledonia), University of New -Calédonia « Dye plants of New Caledonia - Traditional practices to new applications perspectives »

12:30-12:45 Discussion

12:45-14:00 LUNCH BREAK

MONDAY 25 APRIL 2011 - AFTERNOON

Lectures 2nd session (14:00-15:30) - "Textile decoration using natural dyes : from tradition to innovation"

Chairperson : Pr Dr Ji-Hee KIM, Director Museum of Natural Dye Arts, Daegu, **Republic of Korea**

- 14:00-14:15 Mr Ismail Mohamed KHATRI (India), Master Dyer in Ajrakh, Seal of Excellence of UNESCO: « Ajrakh, a blockprinted textile from Kachchh »
- 14:15-14:25 Dr Antoinette RAST-EICHER (Switzerland), Laboratory Arqueotex: « Archives of 19th c. cotton printers in the canton of Glarus, Switzerland »
- 14:25-14:35 Mr Grégoire FEINTE (France), Company Tissus d'Avesnières: « Development of an industrial range of frame-printed textiles in cellulosic fibers using natural colorants extracts »
- 14:35-14:45 Ms Leetje VAN HENGEL (The Netherlands), Company Tinctoria: «Colour discharge printing with natural dye-extracts with lighfastness results»
- 14:45-14:55 Ms Kamaldeep KAUR (India), Company Neelgar: « Satara printing- the story of the survival of natural dyes »
- 14:55-15:05 Ms Maile Ivy ANDRADE (Hawaii, United States of America), University of Hawaii: «Hawaiian Natural Dyes in Kapa Cloth»
- 15:05-15:15 Ms Isabel BROUILLET (France) and Patricia GÉRIMONT (Belgium): « Dyeing in Mali, rural and urban customs, the paradoxes of tradition».

15:15-15:30 Discussion

MONDAY 25 APRIL 2011 – AFTERNOON

15:30-18:30 Dyeing workshops: Textile printing using natural dyes :

Permanent workshops :

These workshops will function in parallel with the other dye workshops during all the workshop sessions of the symposium:

- Mr Homare YAMASHITA (Japan), Kihachijo Meyu Studio: « Kappeta weaving with yarns dyed with natural dyes »
- Dr Isabelle CLONIER (France), CRITT Horticole, Rochefort: «Reduced scale industrial frame-printing of textiles using natural colorants extracts »
- Mr Jérôme DORNY (France), Company NJD Cosmetics /Ms Sylvie BUTTIGIEG (France) Company Clin d'Oeil coiffure : « Hair dyeing in different colours with natural colorants »

Textile printing :

- Mr Ismail Mohamed KHATRI (India), Master Dyer in Ajrakh : « Ajrakh: indigo, madder and iron acetate resist print »
- Ms Emily HALVORSEN (Norway), Company Kolor: « Silkscreen printing with natural dye-extracts »

Other techniques of textile decoration:

- Ms Yoshiko WADA (United States of America), World Shibori Network: « Rice-paste resist-dyeing (*katazome*) with persimmon tannin (*shibu kaki*) on fabric and paper »
- Ms Reiho SHIBATA (Japan), atelier of natural dyeing Shikari: « *Katazome* and natural dyes »
- Ms Kamaldeep KAUR (India), Company Neelgar: « Lost and forgotten shades of brilliant yellow using the technique of *baandhani* »
- Mr Gasali ADEYEMO (Nigeria), artist «The traditional Yoruba technique of Adire »
- Mr Boubacar DOUMBIA (Mali), atelier conservatoire NDOMO Pelengana SEGOU «The Basilan and the Bogolan»

TUESDAY 26 APRIL 2011 – MORNING

Social sciences - anthropology, history and archaeology – have considerably contributed to our knowledge of dyestuffs and dyeing techniques in many civilisations, past and present. A multidisciplinary approach, including dye-analyses of historic and traditional textiles, provides orientations for further research into the chemistry of the dye plants selected by each civilisation in its own natural environment.

Lectures 3rd session (09:00-10:30) - "From the past to the future of natural dyes: the contribution of archaeological and anthropological research I. Recent identifications of colorants in museum collections".

Chairperson : Dr Maria J. SEIXAS DE MELO, Department of Conservation and Restoration, FCT-New University of Lisbon, Campus de Caparica, **Portugal**

- 09:00-09:10 Dr Roman JASHENKO (Kazakhstan), Institute of Zoology of Kazakhstan: « Carmine scale insects in Central Asia, historical uses, new identifications »
- 09:10-09:20 Dr Elena PHIPPS (United States of America), formerly Metropolitan Museum of Art, New York: « Cochineal red: the art history of a color »
- 09:20-09:30 Mr Tristan YVON (France), Regional Direction of Cultural Affairs of Guadeloupe and CNRS (National Centre of Scientific Research), UMR 8096: «Indigo production in Guadeloupe and Martinique, 17th-19th centuries»
- 09:30-09:40 Dr Irina PETROVICIU (Romania), National Museum of Romanian History: « A discussion on the biological dye sources identified in Romanian historic textiles »
- 09:40-09:50 Pr Recep KARADAG (Turkey), Faculty of Fine Art, Marmara : « Analysis of some 16 th century Ottoman silk Brocades and their reproductions »
- 09:50-10:00 Dr Harby Ezzeldeen AHMED (Egypt), Cairo University: « Identification of dyes in Islamic Textile Collections in Museum of Faculty of Archaeology, Cairo University »

10:00-10:15 Discussion

10:15-10:45 Coffee break

Lectures 4th session (10:45-11:30) - "From the past to the future of natural dyes: the contribution of archaeological and anthropological research. II. Natural Dyes of American Pre-Columbian civilizations"

Chairperson : Dr Elena PHIPPS, former Senior Museum Conservator, Metropolitan Museum of Art, New York, Vice-President Textile Society of America, **United States of America**

- 10:45-10:55 Dr Estrella SANZ RODRIGUEZ (Spain), Complutense University of Madrid / Spanish Cultural Heritage Institute: « Analysis of constituents of a reference collection for American dyestuffs belonging to the Spanish Institute for Cultural heritage using LC-QTOF »
- 10:55-11:05 Dr Beatriz DEVIA (Colombia), Universidad Distrital de Bogota and Association Pro Calima: « Colorants present in Pre-Columbian textiles from southern Colombia and northern Ecuador and their contribution to our knowledge of the range of local species of Rubiaceae employed »
- 11:05 -11:15 Ms Soledad HOCES DE LA GUARDIA (Chile), Pontificia Universidad Católica de Chile: « Colors in Pre-Columbian textiles from Northern Chile: approaches to dyeing materials identification »

11:15-11:30 Discussion

Lectures 5th session (11:30-12:40) - "From the past to the future of natural dyes: the contribution of archaeological and anthropological research - III. Purple from Muricids and indirubins"

Chairperson : Pr. Satoshi USHIDA, Department of Human Environmental Sciences, Mukogawa Women's University, **Japan**

- 11:30 -11:40 Dr Christophe MOULHERAT (France), Quai Branly Museum : «New testimony for the use of purple-dye in ancient Greece »
- 11:40-11:50 Dr Takako TERADA (Japan), Kwassui Women's University, Nagasaki: « Dyeing properties of shellfish purple obtained from *Ocenebra inornata*»
- 11:50-12:00 Pr Valérie THIERY (France), CNRS LIENSs / University of La Rochelle: « Characterisation of dye precursors from gastropods of *Ocenebra erinaceus* and *Ocenebra inornata* present on the Island of Ré on the Atlantic coast of France »
- 12:00-12:10 Dr Dominique CARDON (France) , UMR 5648 CNRS, Lyon and Dr Nicolas Garnier (France), Laboratoire N. Garnier, Vic le Comte: « Purple in Roman Egypt : new identifications, new analytical processes »
- 12:10-12:20 Dr Younsook SHIN (Republic of South Korea), Chonnam National University: « Application of Biotechnology for natural Indirubin production »

12:20-12:40 Discussion

12:40 -14:00 LUNCH BREAK

TUESDAY 26 APRIL 2011 - AFTERNOON

Lectures 6th session A (14:00-15:30) : Roundtable on Natural Indigos at the Auditorium

Chairperson: Dr Jenny BALFOUR PAUL, Institute of ab and Islamic Studies, University of Exeter, **United Kingdom**

Speakers:

- Pr Marta ANDRIANTSIFERANA, and Ms Herimala RAHARITSIADIANA (Madagascar), University of Antananarivo: « Tradition and science, a synergy for the development of natural dyes: case of indigo dye for silk in Madagascar »
- Ms Monoleena BANERJEE (India), Company Weaver's Studio, Kolkata: « Indigo, diversified use in traditional and contemporary textiles »
- Mr Jesus CIRIZA-LARRAONA (Spain), Company The Colors of Nature, Auroville, India: « Natural indigo for the today indigo dyer »
- Ms Rhina REHMANN (Salvador), Association AZULES: « Indigo in Salvador »
- Mr Anowarul HAQ (Bangladesh), CARE Bangladesh : « 'Swadheen Neel' (Free Indigo): Revival of Bengal Indigo »
- Mr Ian HOWARD (United-Kingdom), Company Woad Inc., Dereham: « The Agricultural production of woad and the derivation of indigo »
- Ms Denise LAMBERT (Belgium/USA), Company Bleus de Pastel de Lectoure: « An example of industrial scale cultivation of a dye plant – woad – problems, results, development »
- Dr Elias-Jaime MATADAMAS-ORTIZ (Mexico), Universidad Autonoma de Chapingo: « New alkaline extraction method for indigo from *Indigofera suffruticosa*»

Lectures 6th session B (14:00-15:30) in Ilates and Richelieu Hall - "Biological activities of natural colorants, applications as food colorants"

Chairperson : Pr Sylvain LAMARE, Deputy Scientific Director, Institute of Ecology and Environment, CNRS (National Centre of Scientific Research) Paris, Deputy Director LIENS (Littoral, Environment, Society) La Rochelle, **France**

- 14:00-14:15 Dr Isabelle CLONIER (France), CRITT horticole, Rochefort «Antioxydative activity of some dye plant extracts – Example of a cosmetic application»
- 14:15-14:30 Dr Abayomi ADETUYI (Nigeria), Federal University of Technology of Akure: «The uniqueness and multidimensional usage of some natural dyes of Tropical Africa »
- 14:30-14:45 Dr Emilie DORE (France), CRITT agro-alimentaire, La Rochelle and Dr Christine BRUNET (France), CRITT horticole, Rochefort: « Evaluation of a selection of natural colorants extracts in various food matrices : colour results, taste, fastness. Industrial interest »
- 14:45-15:00 Ms Ngoc Anh LUU DAM (Vietnam), Vietnam Academy of Science and Technology : « Indigenous knowledge of utilization of colorant plants for food in some ethnic groups in the North of Vietnam »
- 15:00-15:15 Dr Nathalie PAULEAU-LARREY (France), Company David Michael Europe, Bourg-les-Valence: « The use of natural colorants in the food industry – trends and innovations »

15:15-15:30 Discussion

TUESDAY 26 APRIL 2011 – AFTERNOON

15:30-18:30 Dyeing workshops

Espace Encan

Dyeing with natural indigo:

- Ms Alfonsa HORENG (Flores, Indonesia), Women Weavers and Natural Tyed-dyeing Cooperative of Flores « Making paste indigo » and « Pre-dye process for cotton yarns »
- Mr Axel BECKER (Norway), Axel Becker Indigo Dye « Dyeing with natural indigo from Tamil Nadu, India, using the European starframe »
- Mr Jesus CIRIZA-LARRAONA (Spain), Company The Colors of Nature: « Painting silk in blue with natural indigo »
- Ms Vivien PRIDEAUX (United-Kingdom), craftswoman : «Bio-organic indigo vat»
- Mr Michel GARCIA (France), Company Plantes et Couleurs : « Organic indigo vat »

Dyeing with safflower:

- Pr Dr Ji-Hee KIM (Republic of Korea), Museum of Natural Dye Arts, Daegu : « Safflower dyeing »
- Pr Kazuki YAMAZAKI (Japan), Tohoku University of Art and Design: « Traditional safflower dyeing in Japan »

At the Aquarium

Dyeing with purple:

- Dr Takako TERADA (Japan) Kwassui Women's University, Nagasaki: « Vat dyeing with shellfish purple obtained from *Rapana venosa* »
- Ms Inge BOESKEN KANOLD (Germany/France), artist : « Dyeing with purple pigment»
- Ms Hisako SUMI (Japan), NPO Earth Network/North-Indigo Art Studio: « Dyeing Japanese silk and making ointment with *Lithospermum erythrorhizon* Sieb. et Zucc »

WEDNESDAY 27 APRIL 2011 - MORNING

9:00-12:00 – Excursions

- Seashore, purple shells, oyster farming
- Countryside, a dye plants grower and cattle farm
- Rochefort, CRITT/CDP extraction and application laboratory, plants collection, School of Naval Medicine
- La Rochelle - Old city and Museum of Natural History with a special guided visit under the natural dye point of view

12:00-14:00 LUNCH BREAKS on the excursion sites, then back to Espace Encan

WEDNESDAY 27 APRIL 2011 - AFTERNOON

14:00-15:00 Participants feedbacks on the excursions with photos

Lectures 7th session (15:00-16:00): "Recent advances in the selection, biochemical study, production and applications of natural colorants" I. Cultivation of dye plants

Chairperson : Dr Edouard HNAWIA, Department of Chemistry, LIVE (Island Laboratory of Living species and Environment), University of New Caledonia, Nouméa, **France**

- 15:00-15:15 Ms Ing. Anne DE LA SAYETTE (France), CRITT horticole: « Industrial scale cultivation of dye plants »
- 15:15-15:25 Dr Polycarpe KAYODE (Benin), University of Abomey-Calavi: « Development of the cultivation and extraction of dye-sorghum in Benin »
- 15:25-15:35 Dr Dhanraj DHANASEKARAN (India), Annemalai University, Tamil Nadu: « Effect of organic nutrients on dye quality of indigo »
- 15:35-15:50 Dr Luciana ANGELINI (Italy), University of Pisa: « Control of natural dyes. Analysis and case studies »

15:50 -16:00 Discussion

WEDNESDAY 27 APRIL 2011 – AFTERNOON

16:00-18:30 Dyeing and printing workshops

Natural Dyes of Americas:

- Ms Grete BODØGAARD (Norway/USA), Bodøgaard Tapestry Studio: « Natural Dyes on porcupine quills »
- Ms Patricia MARTIN (USA), Business-ColorMeWild: « Dyes of North America »

Natural Dyes of Australia:

- Ms Diane MCPHERSON (Australia), Handweavers, Spinners and Dyers Guild, Tasmanian Regional Arts : « The extraction of dyes from Australian native plants and the use of shibori techniques to decorate cotton, silk and wool textiles »
- Ms Trudi POLLARD (Australia), Pollard Designs: « Shibori on silk and wool using Sandalwood, *Haemadorum spicatum*, and *Eucalyptus cinerea* »

Natural Dyes of Madagascar:

- Mr Jocelyn-Aimé RAKOTOMALALA, (Madagascar), Rakotomalala et fils "Iambamena" « Dyeing plant fibers (rafia, sisal, cotton) and proteic fibers (wild and domestic silks, wool) with *taikinina*, *Pisolithus arhizus* (Scop:Fr.) Rauschert »

Dyeing with cochineal:

- Ms Karin DELAUNAY- DELFS (France), artist: « Dyeing with cochineal from Oaxaca, Mexico »

Colouring the unexpected; printing felt:

- Ms Sandra LOEFFELMANN (USA), Company Vermilio: « Coloring the unexpected: dyeing wood, feathers, nuts with natural dyes »
- Ms Andie LUIJK (United Kingdom/France), Company Renaissance Dyeing: « Felting and then printing with dye-extracts »

THURSDAY 28 APRIL 2011 - MORNING

Lectures 8th session (09:00-10:30) "Recent advances in the selection, biochemical study, production and applications of natural colorants"

II. Identification and scientific studies of traditional and « new » sources of colorants; extraction of natural colorants from dye plants

Chairperson : Mr Julius Leaño, Philippine Textile Research Institute, **The Philippines**

- 09:00-09:15 Mr Eber LOPES FERREIRA (Brazil), Company ETNO BOTANICA Research and Technological Innovation: « Natural dyes from cultivation or sustainable extraction from the local communities living in areas of Extractive Reserves in Brazil – South America »
- 09:15-09:30 Dr Subhash Chandra TIWARI, Department of Forestry, Bilaspur and Dr Padma VANKAR (India), Indian Institute of Technology, Kanpur: « Eco-friendly natural dyes from forests: Extraction and dyeing of cotton, silk and wool with dye extracts »
- 09:30-09:40 Dr June NGO (Malaysia), University of Malaysia Sarawak: « Soluble Powder Natural Dyes from Malaysia »
- 09:40-09:55 Dr Patrick BRENAC (France), Company CDP, Couleurs de Plantes, Rochefort-sur-Mer : « Natural colors for green products – advances on industrial production, quality, markets »
- 09:55-10:05 Ms Debanjali BANERJEE (India), National Institute of Fashion Technology: « Extraction and Application of Eco-friendly Floral Dyes »
- 10:05-10:15 Dr Zvi KOREN (Israel), The Edelstein Centre for the Analysis of Ancient Artefacts Shenkar College of Engineering and Design : « New findings of the biblical purple dyes at Masada »

10:15-10:30 Discussion

10:30-11:00 Coffee break

Lectures 9th session (11:00-12:40) "Recent advances in the selection, biochemical study, production and applications of natural colorants"

III. Applications in the textile industry

Chairperson : Ms Ing. Anne DE LA SAYETTE Director CRITT (Centre of Research, Innovation and Technology Transfer in Horticulture), Rochefort-sur-Mer, **France**

- 11:00-11:10 Mr Julius LEAÑO (The Philippines), Philippine Textile Research Institute: « Functional and bacterial properties of naturally dyed Philippine textiles »
- 11:10-11:25 Pr Thomas BECHTOLD (Austria) Leopold Franzens-University of Innsbruck and Mr Christian PLADERER, Company Colors of Nature/Farben der Natur, Bruck an der Leitha: « Colors of Nature – sustainable dyeing processes with dyestuffs based on renewable resources for the textile industry »
- 11:25-11:35 Pr Dr Ji-Hee KIM (Republic of Korea), Museum of Natural Dye Arts, Daegu : « Textile decoration using natural dyes from tradition to innovation and natural fermentation dyes in Korea »
- 11:35-11:50 Dr Jenq-Renn CHEN (Republic of China-Taiwan) Company Be Be Cotton Knitting Co Ltd, Taipei Hsien: « Progresses in the large-scale production of natural-dyed fabrics »
- 11:50-12:05 Mr Arun BAID (India), Company Aura Herbal Textiles Ltd., Ahmedabad: « Developing standards for industrial plant dyeing process in textiles and resulting products »
- 12:05-12:15 Mr Nagarajan VEDARAMAN (India) Central Leather Research Institute Adayar Chennai "Dyeing leather with different natural dyes"

12:15-12:30 Discussion

12:30-14:00 LUNCH BREAK

THURSDAY 28 APRIL 2011 – AFTERNOON

Lectures 10th session (14:00-15:30): "Recent advances in the selection, biochemical study, production and applications of natural colorants"

IV. Advances for applications in different crafts and industries (cosmetics, food colorants, paints and plastics)

Chairperson : Pr Mouhoussine NACRO, Laboratory of Organic Chemistry and Applied Physics, University of Ouagadougou, **Burkina Faso**

- 14:00-14:10 Dr Francisco Miguel MARTINEZ-VERDU (Spain), University of Alicante: « Design, synthesis and characterization of natural nano-pigments – challenges and opportunities for many industrial applications »
- 14:10-14:20 Ms Frédérique BARBOSA (France), Company Alban Muller International: « Developing a range of tinctorial plants extracts for the international market in cosmetics: the case of Tinctamis »
- 14:20-14:35 Dr Hélène DE CLERMONT-GALLERANDE (France), Company Chanel: « Selection and formulation of a vegetable colored extract in make-up cosmetic products – Chanel »
- 14:35-14:50 Dr Perumal RAVICHANDRAN, Manonmaniam Sundaram University and Dr Manimekalai, Veungopal (India), Sri Parasakthi Women's College, Tamil Nadu: « New standardized application methods of natural dyes from South India on plant fibres used in handicrafts and cottage industries »
- 14:50-15:05 Dr Pajaera PATANATHABUTR (Thailand), Silpakorn University, Nakorn Pathorn: « Natural colorants in Thailand: from traditional textiles to dyed polylactic acid composites for environment-friendly packaging »
- 15:05-15:15 Ms Gerda HANSBERG (Mexico), Company Tlapalli: «The Use of natural colorants and pigments in Tlapalli, colours for painting »

15:15-15:30 Discussion

15:30-16:15 AUDIOVISUAL key presentation: Earth matters

By Ms Cecile POIGNANT (France), Company Trend Union: « Natural dyes and trends »

THURSDAY 28 APRIL 2011 – AFTERNOON

16:15-19:00 Dyeing workshops

Hair-dyeing using natural colorants:

- Mr Jesus Ciriza - Larraona (Spain/India) : « Dyeing of hair with indigo and henna »

Recently developed processes for dyeing with natural colorants

- Dr Vankar PADMA (India), Indian Institute of Technology, Kanpur: « Enzymic natural dyeing without metallic mordants »
- Mr Eber Lopes LOPES FERREIRA (Brazil), Company Etno Botanica Research and Technological Innovation: « Application of cationic tannin before the mordant to improve the fixing of vegetable dyes on cellulosic textile fibres »
- Mr Brij Ballabh UDAIWAL (Rajasthan, India), Company Weave-N-Print « Pressure dyeing with natural dyes »
- Mr Julius LEAÑO (Philippines) Philippine Textile Research Institute: « Dyeing using Terminalia catappa leaves »
- Dr Perumal RAVICHANDRAN (India), Manonmaniam Sundaram University : « Natural dyeing of plant fibres used in handicrafts »
- Ms Monoleena BANERJEE (India), Company Weaver's Studio, Kolkata: « Multicoloured intricate Shibori dye » using the natural colorants extracts and dye-baths of the other participants to the workshop.
- Mr Chen LIANG-YUNN (Republic of China-Taiwan), Fu Jen Catholic University Dept. Textile and Clothing: «The art of marbling with natural dyes »

FRIDAY 29 APRIL 2011 - MORNING

Lectures 11th session (09:00-10:30): "Economic and social impact of the development of natural dyes – Case studies"

I. Gender and rural development

Chairperson : Dr Beatriz O. DEVIA CASTILLO, Department of Chemistry, Universidad Distrital Francisco José de Caldas, Bogotá, **Colombia**

- 09:00-09:15 Ms Alfonsa HORENG (Flores, Indonesia), Women Weavers and Natural Tie-dye Cooperative of Flores: « The magic of natural-dyed ikats in Flores culture and integrity – development in women weavers' cooperatives »
- 09:15-09:25 Ms Sentila YANGER (India), Company Tribal Weave, Dimapur: « Indigo Stories of the Naga »
- 09:25-09:40 Dr Serife ATLIHAN (Turkey), Marmara University of Istanbul: « Production of traditional textiles with natural dyes following the Dobag project »
- 09:40-09:50 Ms Marie-Catherine GANFINA (Republic of the Congo), Association Nkaô Mbiali: « Dyeing with natural dyes in the Association Nkaô Mbiali »
- 09:50-10:05 Ms Fabiana MENNA (Italy/Argentina), Gran Chaco Foundation: « The colors of the forest: women's empowerment through the rediscovery of colors »
- 10:05-10:15 Dr Katarzyna SCHMIDT-PRZEWOZNA (Poland), Institute of Natural Fibres and Medicinal Plants, Poznan: « Natural Dyeing Plants in History of Polish Artistic Workshops »

10:15-10:30 Discussion

10:30-11:00 Coffee break

Lectures 12th session (11:00-12:40): "Economic and social impact of the development of natural dyes – Case studies"

II. Environmental and pedagogical issues, contributions of NGOs

Chairperson : Dr Roman JASHENKO, Tethys Scientific Society, Laboratory of Entomology, Institute of Zoology, Almaty, **Kazakhstan**

- 11:00-11:10 Ms Luz MEDINA BONTA (Honduras), Delta State University: « Indigenous community involvement in the revival and sustainability of natural dyes and fibers in Honduras »
- 11:10-11:20 Mr Juan CAZORLA GODOY (Canary Island, Spain), Association Milana: « Cochineal in education in Lanzarote Island »
- 11:20-11:35 Ms Martine BOULANGER-PENDUFF (New-Caledonia, France), Lycée professionnel Jean-XXIII, Païta: « Fashion and environment in New-Caledonia – valorisation of plant wastes for natural dyeing by students for a Professionnel Baccalauréat degree in Fashion, Design and Clothing »
- 11:35-11:45 Pr Sandy HEFFERNAN (New Zealand), Massey University: « Future fabric: natural dyes for fashion and textile design in New Zealand »
- 11:45-11:55 Ms Karen URBANEK (USA): « A Colour Box for Art explorers »
- 11:55-12:10 Ms Victoria MYRTAL (India) Company Aranya Naturals, Munnar: « Looking beyond with confidence »
- 12:10-12:20 Ms Rosella CILANO (Italy), Association Tintura Naturale M.E. Salice: «The Natural Dye Association Maria Elda Salice – Italy »

12:20-12:40 Discussion

12:40-14:00 LUNCH BREAK

FRIDAY 29 APRIL 2011 - AFTERNOON

Lectures 13th session (14:00-17:30): "Valorisation of natural colorants: databanks, marketing, labels"

Chairperson : Pr Thomas BECHTOLD, Research Institute for Textile Chemistry and Textile Physics, University of Innsbruck, Dornbirn, **Austria**

I. Proposition of a computerized tool to collect and make globally available knowledge on natural colorants

14:00-14:15 Ms Barbara BIGLER, (Switzerland) private dyer and weaver and Ms Marie MARQUET (France) CIHAM/University of Lyon II University: « The Rainbow Project: A collaborative Platform and Online database on natural dyes and textile fibres»

14:15-14:25 Discussion on the project

II. Marketing of natural colorants and of products dyed/coloured with them

14:25-14:40 Ms Charlotte KWON (Canada), Company Maiwa Handprints Ltd.: « Marketing of natural dyes »

14:40-14:50 Dr Stefano PANCONESI (Italy), Textile consultant « Guideline for the production and marketing of natural dyes for European textile industry »

14:50-15:05 Mr Edric ONG (Malaysia), Company Atelier Sarawak, Seal of Excellence of UNESCO: «Natural Dyes in Textiles and Fashion: Niche or Mass? »

15:05-15:15 Pr Gabriela NIRINO (Argentina), National Technological University, Buenos Aires: « The Added Value of Natural Dyes in Product Design»

15:15-15:25 Mr Luiven RIVAS-SANCHEZ (United-Kingdom), Fashion and Textile designing « Natural dyes in contemporary fashion/textiles »

15:25-15:35 Ms Sasha DUERR and Katelyn TOTH-FEJEL (USA), Permacouture Institute: « Slow Textiles, Ecoliteracy and Natural Colorants »

15:35-15:45 Ms Barbara BLIN BARROIS and Anne VARICHON, (France), Cooperative Company OKHRA: « Natural colorants and pigments: stakes for new deals »

15:45-16:00 Discussion

16:00-16:30 Tea break

III. « Label(s) for natural colorants »

Chairperson : Mr Edric ONG, Company Atelier Sarawak, vice president of World Crafts Council Asia Pacific, Seal of Excellence of UNESCO, **Malaysia**

16:30-16:45 Ms Esther REWITZ (Switzerland), IMO Institute für Marketecology « GOTS Global Organic Textile Standard with approval procedure of natural colorants”

16:45-17:00 Ms Bina RAO (India) Company Creative Bee, « Natural Dye label: modalities and criteria of implementation »

17:00-17:15 Ms Sayyda Ruhy GHUZNAVI (Bangladesh), Company Aranya, Bangladesh: « Organic Colours: commitment to a shared future »

From 17:15 to General discussion on the themes of session 13, Recommendations, plans for future actions, symposium conclusions

Farewell dinner with performances by music groups (jazz, traditional music from the Centre of France)

SATURDAY 30 APRIL 2011

Opening of ISEND 2011 Europe to the public - Excursions