



ISO/TC 207/SC 1  
Environmental management systems

Email of secretary: [mike.henigan@bsigroup.com](mailto:mike.henigan@bsigroup.com)  
Secretariat: BSI (United Kingdom)

**1n1138 ISO 14001 workshop - ISO 14001 Key perspectives and developing countries view, ISO 14004**

Document type: Other meeting document

Date of document: 2015-09-15

Expected action: INFO

No. of pages: 42

Background: Please find attached the third of three slide sets from the Update and Developing Country Workshop on the Revision of ISO 14001 held at the India Habitat Centre, New Delhi, India, on Tuesday 8<sup>th</sup> September – see document 1n1127 for the full programme.

- Celebration of ISO 14001:2015: Dr. Anne-Marie Warris (1n1136)
- Key changes in the revision to ISO 14001: Susan Briggs (1n1137), plus
- Key perspectives on the revision: Maiko Okuno, Daniel Trillos, Bernhard Schwager and Lisa Greenwood,
- Developing country experts' perspectives on the revision: Daniel Trillos, N K Pal and Amarjit Kaur, and
- Relationship between ISO 14001 and ISO 14004, Per Arne Syrrist (all in document 1n1138)

Committee URL: <http://isotc.iso.org/livelink/livelink/open/tc207sc1>

**ISO 14001:2015 Celebration**  
**New Delhi, India**  
**Sept 2015**

**Technical Session-II**  
**Changes in and Key Perspectives on**  
**ISO 14001:2015**



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session

- Key perspectives on the revision
  - Daniel Trillos, Colombia
  - Lisa Greenwood, USA
  - Bernhard Schwager, Germany
  - Maiko Okuno, Japan



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Key perspectives

## Strategic environmental management and leadership

Daniel Trillos

ICONTEC, Colombia



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Daniel Trillos

## Leadership and strategic environmental management

Top management more involved into EMS and encouraging leadership at all levels of the organization



ISO 14001 Revision Event,  
New Delhi, Sept 2015



**Panel session: Daniel Trillos**

**Business and strategy**

EMS requirements and Business processes, Policy and objectives compatible with strategic direction and context



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Daniel Trillos

## People and communication

Communication of the importance  
of an effective EMS, support to  
relevant roles



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Daniel Trillos

## Continual improvement

Encourage continual improvement,  
ensure that intended outcomes are  
achieved



ISO 14001 Revision Event,  
New Delhi, Sept 2015





# Panel session: Daniel Trillos

## Resources

Availability of resources



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Daniel Trillos

## Expanded commitment to protect the environment

From prevention of pollution to  
protection of the environment

**“Management representative”**



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Key perspectives

**Risks and opportunities: key perspectives and benefits, perceived challenges**

Lisa Greenwood

Rochester Institute of Technology, USA



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Lisa Greenwood

## Risks and opportunities

- Focus on **those that need to be addressed**
  - Potential adverse effects
  - Potential beneficial effects
- **User perspective**
  - May be largely captured in existing processes
  - Recognizes effects of environment on the organization
  - Opportunities for integration with business processes



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Lisa Greenwood

## Risks and opportunities

- **Focus on those that need to be addressed**
  - Plan actions to address through EMS processes
  - The organization decides on actions to be taken
- **User perspective**
  - More flexibility to take effective action
  - Opportunities for integration with business processes



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Lisa Greenwood

## User perspectives on benefits and challenges

- **Benefits**

- Added value for integration with other management systems and other business processes

- **Challenges**

- Understanding nuances



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Key perspectives

## Stakeholder engagement and communications

Bernhard Schwager

Bosch, Germany



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: Key perspectives

**Life cycle perspective, value chain  
concept, supply chain management**

**Maiko Okuno**

**Mitsubishi UFJ Research and Consulting Co., Ltd.**

**Japan**

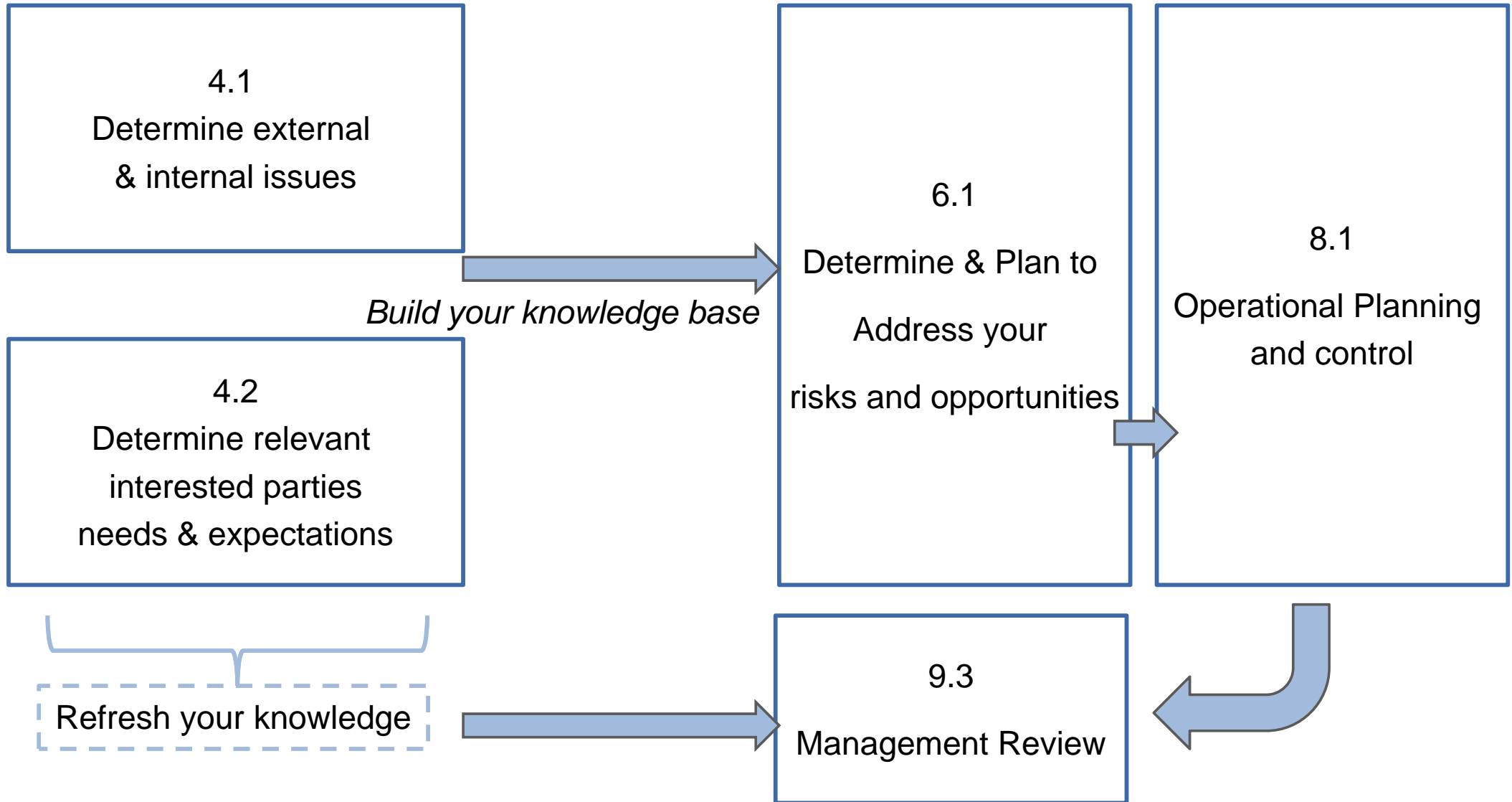


ISO 14001 Revision Event,  
New Delhi, Sept 2015

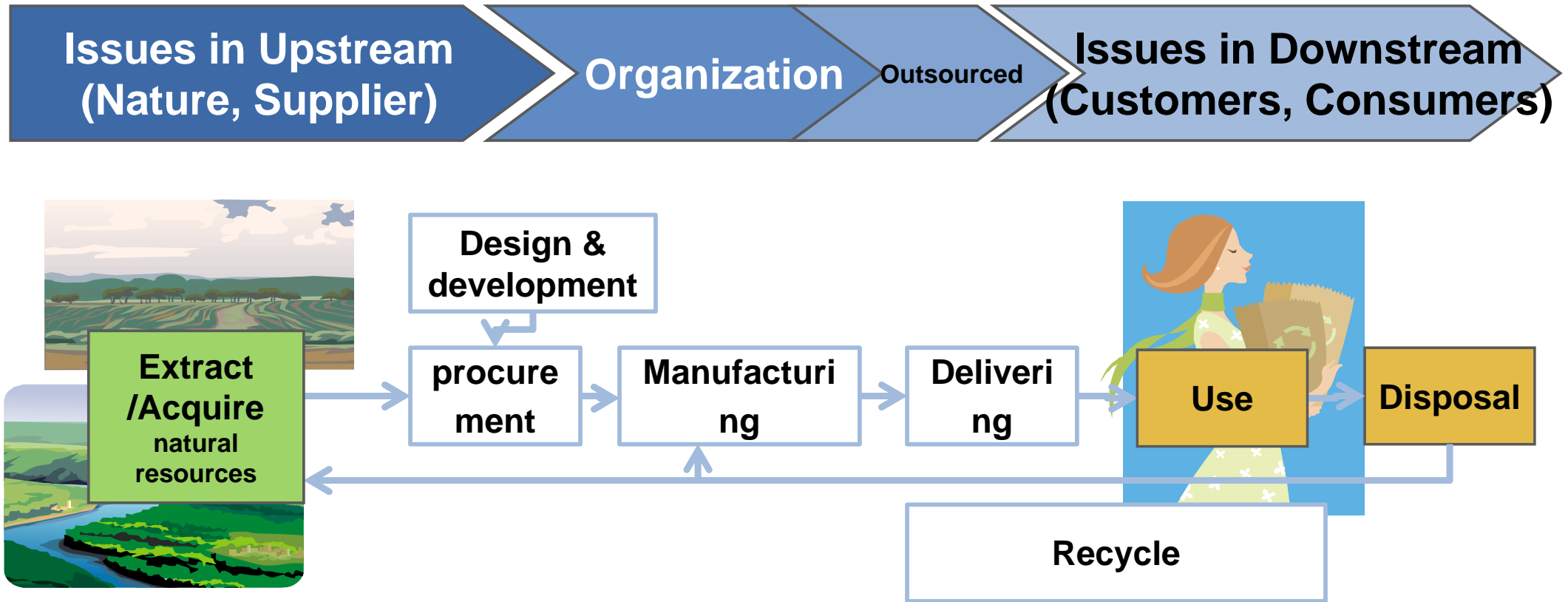




# Important flow of New ISO 14001



# Life Cycle Perspective



**Building Knowledge/Organizational Ability will be the Key to issue identification & prioritization**

# Panel session

- Panel discussion on key perspectives on the revision  
*followed by*
- Interactive session
- Closing remarks
- Lunch



ISO 14001 Revision Event,  
New Delhi, Sept 2015



**ISO 14001:2015 Celebration**  
**New Delhi, India**  
**Sept 2015**

**Technical Session-II**  
**Developing Country Workshop on ISO**  
**14001 and ISO 14004**



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Opening of session

## Session Chair

Dr. Haroldo Mattos de Lemos,  
Vice Chair, TC 207



ISO 14001 Revision Event,  
New Delhi, Sept 2015



New Delhi seminar, 2015-09-08



# Relationship between ISO 14001 and ISO 14004

PER ARNE SYRRIST, CONVENOR  
ISO/TC 207/SC 1/WG 6

# Scope: The revised ISO 14004 shall:

- Focus on:
  - Users' needs
  - How an organization maintains and improves its EMS
  - How to integrate EMS requirements into an overall management system
- Reflect the ISO 14001 text as it emerges from its revision
- Reflect issues from the study group report “Future Challenges for EMS”

# ISO 14001 and ISO 14004: A consistent pair of standards

## ISO 14001

- Requirements
- Interpretation information
- Illustrative examples
- Certifiable
- Revision: WG 5 in the front seat
  - Decides on requirements

## • ISO 14004

- Principles and systems
- Support techniques
- Illustrative examples
- Not certifiable
- Revision: WG 6 one step behind
  - Adapts to decisions made by WG 5



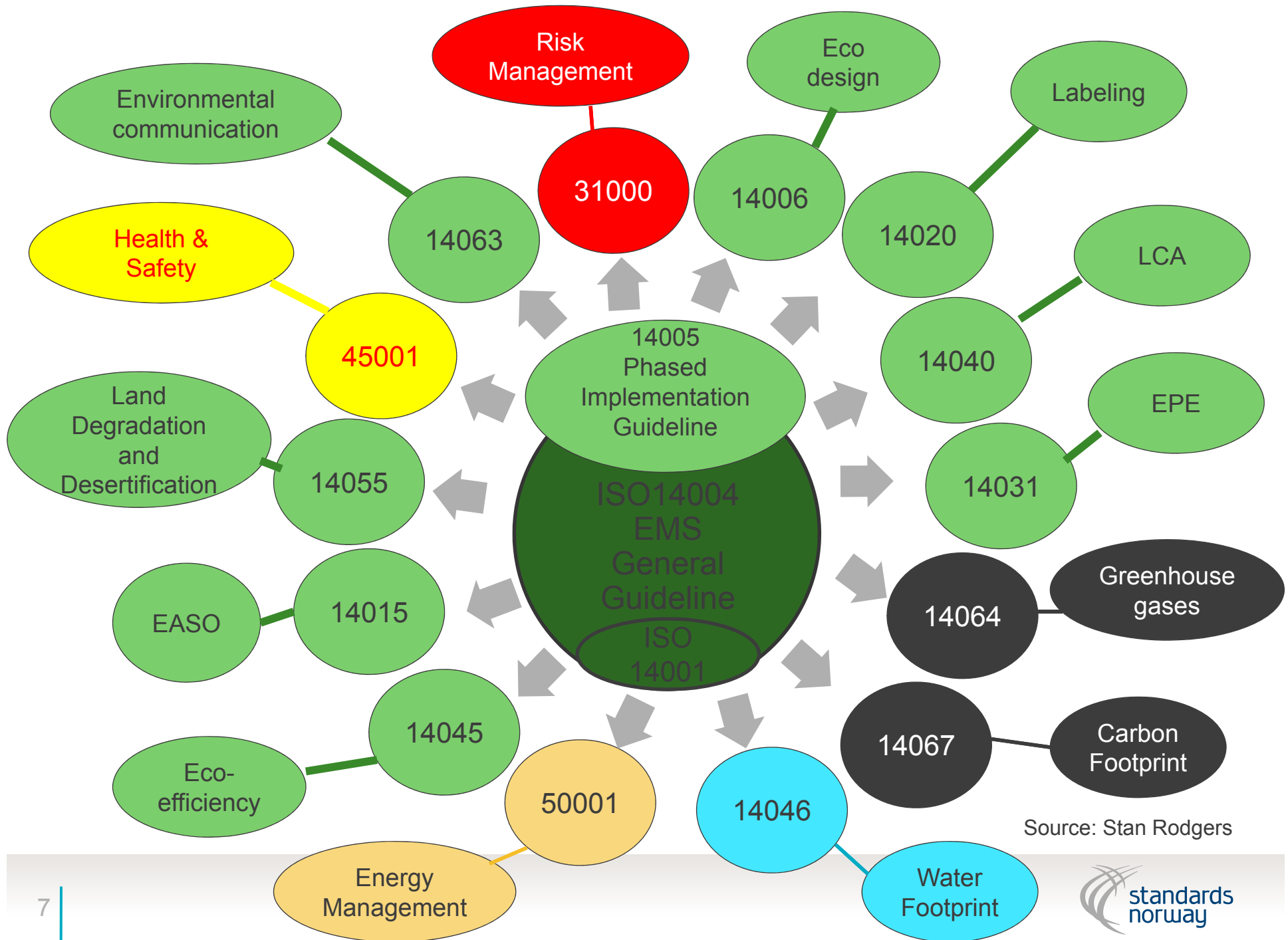
# Important considerations during the revision process

- Context of the organization
- Environmental management and risk assessment
- EMS promotion through leadership
- Integration of EMS into strategic planning processes
- Broadening the scope
  - Prevention of pollution → Protecting the environment
- Continual improvement evaluated through environmental performance
- The role of life cycle thinking
- Emphasis on external *and* internal communication
- Documented information related to procedures and processes

# ISO 14004 and other MSS

- ISO 14004 as a stand-alone document
  - Basis for an ISO 14004 based EMS
  - Not certifiable
- ISO 14004 in addition to ISO 14001
  - Provide background information
    - Principles
    - Systems
    - Support techniques
  - Operationalize ISO 14001 requirements
    - Provide relevant examples
- ISO 14004 together with ISO 9001 and ISO 14001
  - Ease the establishment of integrated management systems

Time period	Task
2011 (Q4)	Revision of ISO 14004 decided
2012 (Q2)	Kickoff meeting, Bangkok
2012 (Q4) – 2014 (Q4)	Several meetings, work on ISO/WD & CD14004
2014 (Q4)	Meeting in Pretoria: ISO/DIS 14004
2015 (Q1 – Q2)	DIS balloting
2015 (Q2)	Meeting in Oshawa (CA), discussion DIS comments
<b>2015 (Q3)</b>	<b>Meeting in New Delhi (IN), conclude DIS comments</b>
<b>2015 (Q4)</b>	<b>FDIS balloting</b>
<b>2016 (Q1)</b>	<b>Publication of revised ISO 14004</b>
All WG 6 meetings (exc. Pretoria and Oshawa) in conjunction with WG 5 (rev. ISO 14001)	



# Thank you!

## More information?

Tel: +47 67 83 86 00  
[www.standard.no](http://www.standard.no)

ISO/TC 207/SC 1/WG 6 Convenor Per Arne Syrrist, [pa-syr@online.no](mailto:pa-syr@online.no)  
ISO/TC 207/SC 1/WG 6 Secretariat, Knut Jonassen, [kjo@standard.no](mailto:kjo@standard.no)

# Panel session

- Key perspectives on the revision
  - Daniel Trillos, Colombia
  - N K Pal, India
  - Amarjit Kaur, Malaysia



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session

## Possible challenges and solutions faced by developing countries in adopting ISO 14001:2015

- **Availability of Resources**

Amarjit Kaur, SHEMSI, Malaysia



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session – Amarjit Kaur

## Challenge

- Competence of implementers, auditors, consultants to address the requirements



ISO 14001 Revision Event,  
New Delhi, Sept 2015





# Panel session – Amarjit Kaur

Possible solutions: Enhance capabilities

- Enhance competence of implementers, auditors, consultants
- Capacity building workshops
- Development of toolkits and case studies for new topics in the standard, e.g. ‘Context’, ‘Risks & Opportunities’



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session – Amarjit Kaur

## Possible solutions: Enhance capabilities

- Greater use and expand publicity of ISO 14004 Guidance for Implementing an EMS
- Promote ISO 14001 with existing environmental and sustainability awards/ initiatives
  - Awards PMHA, ZED Maturity Assessment Model
  - Reporting such as GRI, stock exchange reporting requirements



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session

## Certification issues

N.K. Pal, India

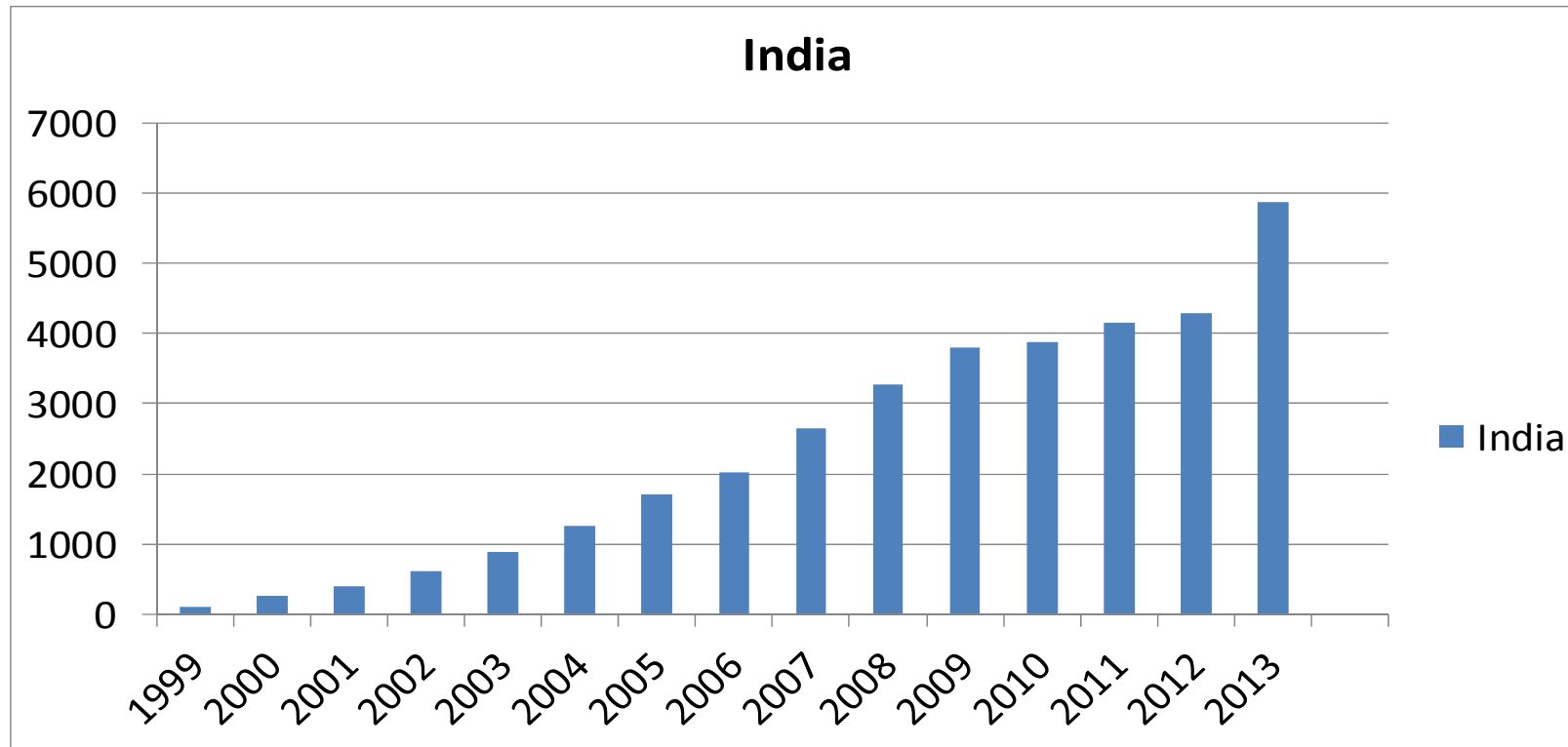


ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: N.K. Pal

## No. of Certificates of ISO 14001



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: N.K. Pal

## Opportunities in adopting ISO 14001

Revised ISO 14001 helps in approaching towards environmental sustainability

- Stake holders interest
- Surroundings of the organization
- Life-cycle perspective

Risk based approach will help in easy integration of EMS with other MSS



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: N.K. Pal

## Challenges

- To keep balance in the requirements of the interested parties
- Proper analysis of upstream & downstream activities at the planning stage to demonstrate organization's concern on life cycle perspective



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: N.K. Pal

## Challenges

- Proper application of risk based concept in determining environmental objectives
- Demonstration of improvement in Environmental performance



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session: N.K. Pal

## Need of the hour

- Technical assistance and cooperation from developed countries for bringing more efficient and clean technology to SMEs
- Proper conceptual training and awareness to fill the gap in understanding the requirements of revised ISO14001 - Life cycle perspective and risk concept.
- Effective incentive plan to support EMS implementation by SME.
- Promoting implementation of ISO 14000 series of standards by regulatory bodies



ISO 14001 Revision Event,  
New Delhi, Sept 2015





# Panel session: N.K. Pal

**Thank you!**



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session

## Strategy and leadership

Daniel Trillos, ICONTEC, Colombia



ISO 14001 Revision Event,  
New Delhi, Sept 2015



# Panel session

- Panel discussion  
*followed by*
- Interactive session
- Closing remarks
- Tea



ISO 14001 Revision Event,  
New Delhi, Sept 2015

