ISO 14046: water footprint

Summary of the project

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ISO 14046:
Towards an international standard for water footprinting

Working meetings

DRAFT INTERNATIONAL STANDARD **ISO/DIS 14046**

Environmental management — Water footprint — Principles, requirements and guidelines

1 Scope

This International Standard specifies principles, requirements and guidelines related to water footprint assessment of products, processes and organizations based on life cycle assessment (LCA).

This International Standard provides principles, requirements and guidelines for conducting and reporting a water footprint assessment as a stand-alone assessment or as part of a more comprehensive environmental assessment.

The result of a water footprint assessment is a single value or a profile of indicator results.

NOTE Specific requirements and guidelines for organizations are given in Annex A.

NWIP accepted in Cairo (June 2009)

The proposed International Standard will deliver

principles, requirements and guidelines

for a water footprint metric of

products, processes and organisations,

based on the guidance of

impact assessment as given in **ISO 14044**.

It will define how the different types of water sources (for example ground, surface, lake, river, green, blue, gray, etc.) should be considered, how the different types of water releases should be considered, and how the local environmental conditions (dry areas, wet areas) should be treated.

For products, it will apply the life cycle approach and will be based on the same product system as specified in ISO 14040 and ISO 14044.

At the organisation level, it will consider the guidance given by ISO 14064 for greenhouse gases.

The standard will also address the

communication issues linked to the water footprint

NWIP accepted in Oslo (June/July 2011)

- This International Standard specifies requirements and guidelines to assess and report the water footprints of products, processes and organizations based on life cycle assessment (LCA).
- This Standard provides requirements and guidance for calculating a water footprint as a stand alone assessment or as part of a more comprehensive environmental assessment.
- This International Standard is applicable to the assessment of full and partial water footprints.
- The water footprint is calculated as one impact indicator result or multiple impact indicator results

Scope within the DIS (March 2013)

ISO 14046 (DIS)

Environmental management — Water footprint — Principles, requirements and guidelines

- This International Standard specifies principles, requirements and guidelines related to water footprint assessment of products, processes and organizations based on life cycle assessment (LCA).
- This International Standard provides principles, requirements and guidelines for conducting and reporting a water footprint assessment as a stand-alone assessment or as part of a more comprehensive environmental assessment.
- The result of a water footprint assessment is a single value or a profile of indicator results.
- NOTE Specific requirements and guidelines for organizations are given in Annex A.

Planning

- Launch of the project:
  - 09.Mar.2009: NWIP Circulated in ISO/TC 207/SC 5
  - 09.Jun.2009: NWIP Submitted to vote
  - 26.Jun.2009: Cairo: NWIP Accepted as a Preliminary Working Item (PWI)
  - 25+.Sep.2009: List of P and O participants

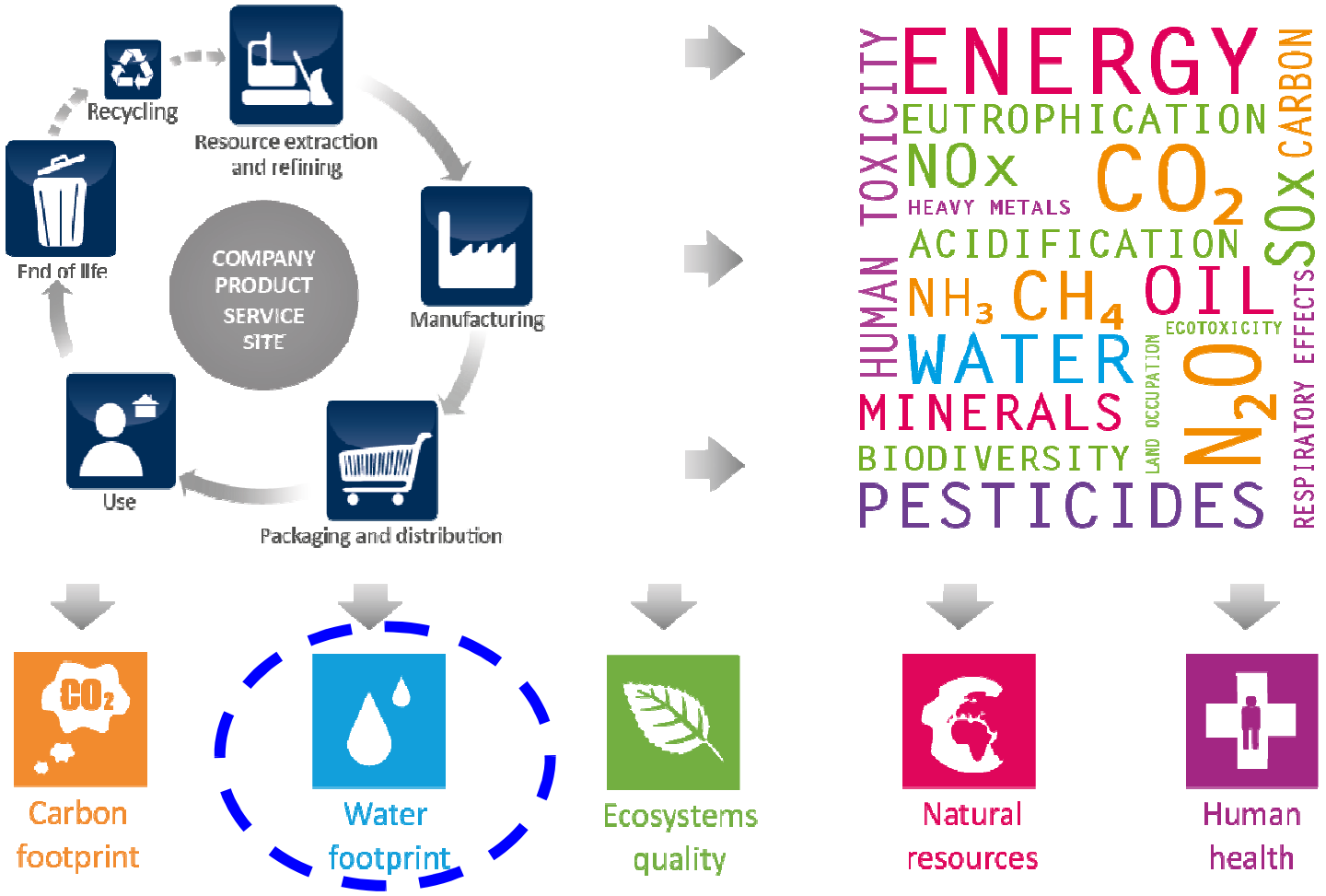
- Working meetings
  - 19-21.Nov.2009: First **working meeting**
    - (Stockholm, Sweden)
    - Title, Scope; Draft structure PWD
  - 11-18.Jul.2010: Second **working meeting**
    - (Leon, Mexico)
    - Detailed sections PWD (Discussion on PWD1)
  - 24-26.01.2011: Third **working meeting**
    - (Lausanne, Switzerland)
    - Finalization of draft PWD (Discussion on PWD2)
  - 26.06-02.07.2011: Fourth **working meeting**
    - (Oslo, Norway)
    - Finalization of draft (Discussion on PWD3) + Submission of PWI for vote to advance it to AWI and acceptance
    - Acceptance of NWIP as WD1
  - 28.11-02.12.2011: Fifth **working meeting**
    - (Sao Paulo, Brazil)
    - Discussion on WD2, Acceptance to go for CD (TBC)
  - 24-30.Jun.2012: Sixth **working meeting**
    - (Bangkok, Thailand)
    - Result for CD1 vote; Discussion on CD1
    - Decision to go for a CD2
  - 9-12.Dec.2012: Seventh **working meeting**
    - (Padova, Italy)
    - Discussion on CD2
    - Decision to go for a DIS
  - 23-26.Jun.2013: Eighth **working meeting**
    - (Gaborone, Botswana)
    - Decision to go for FDIS?

Organization

- WG 8, part of ISO / TC 207 / SC 5
  - ISO 14046
- Contact:
  - Proposer & Secretariat:
    - SNV, Swiss Association for Standardization
    - Barbara Mullis, barbara.mullis@snv.ch
    - (formely Marcel Schulze)
  - Convener:
    - Sebastien Humbert, Quantis, Lausanne, Switzerland, sebastien.humbert@quantis-intl.com, +41-79-754-7566
  - Co-convener:
    - Nydia Suppen Reynaga, Centro de analisis de cyclo de vida y diseno sustentable, Mexico, nsuppen@centroacv.com.mx
- List P and O members
  - App. 40 members
- To participate
  - As a national delegation or liaison member to TC207/SC5

Some background

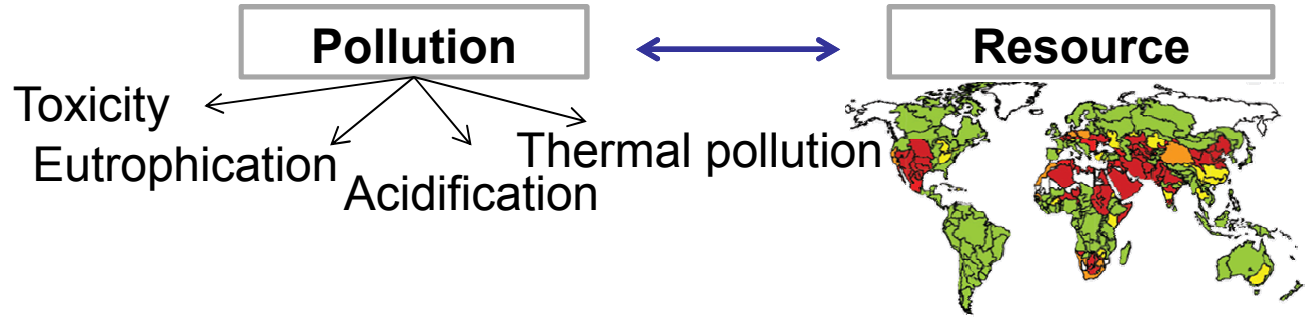
Life Cycle Assessment: multiple synthetic indicators for decision-making



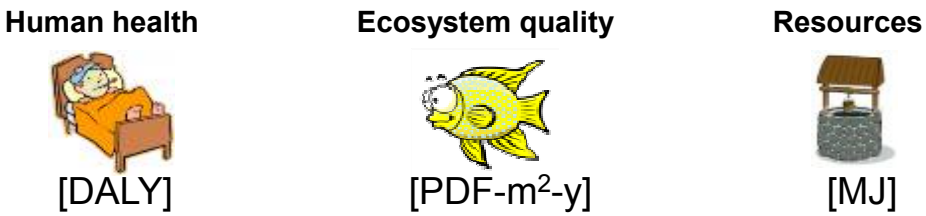
Going from inventory to risk and impacts

Inventory of water use (incl. affected)

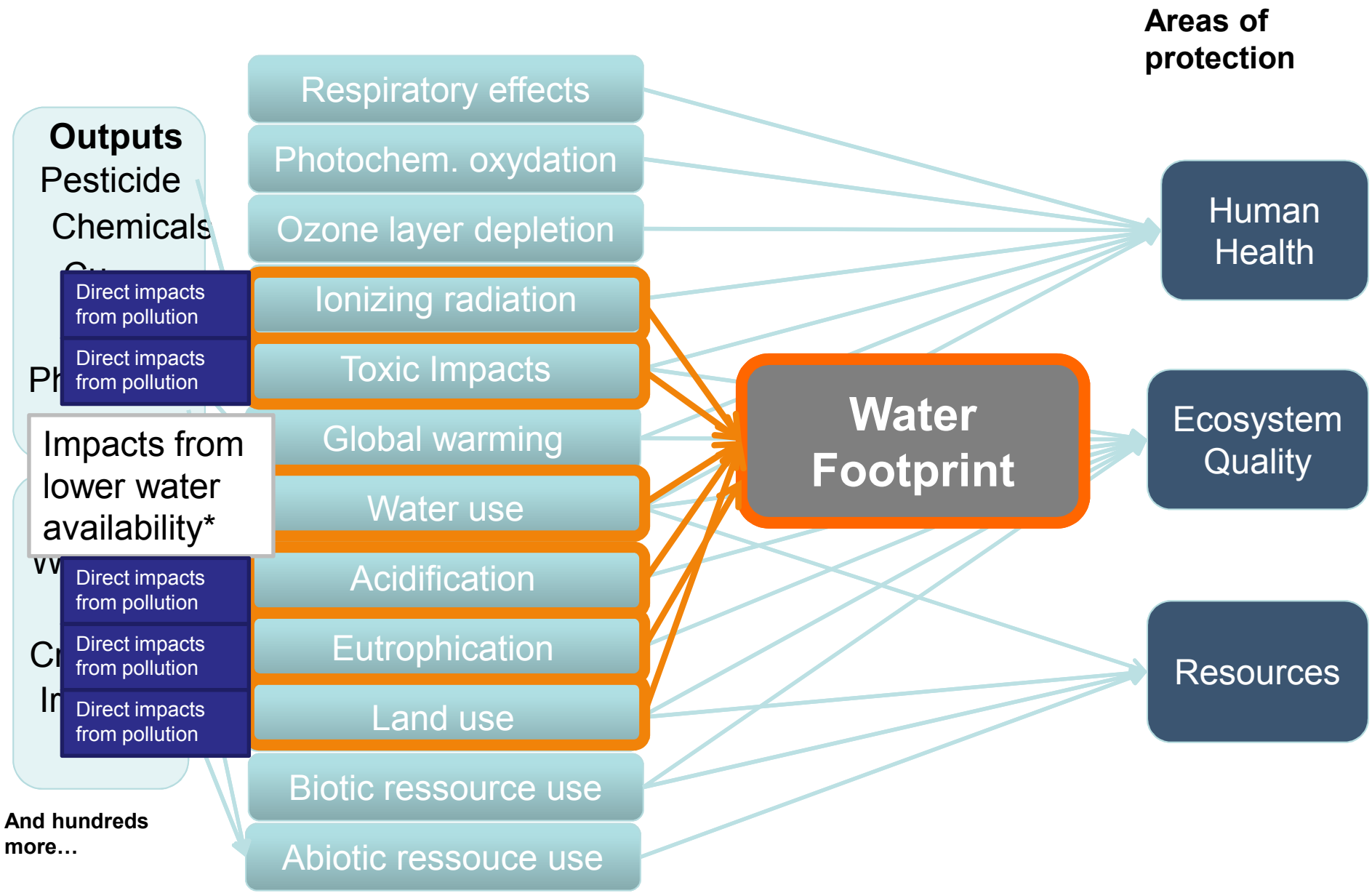
Impact (midpoint; risk assessment)



Impact (endpoint; damages; area of protection)



WATER FOOTPRINT = ALL IMPACTS ON WATER



QUESTIONS ?

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