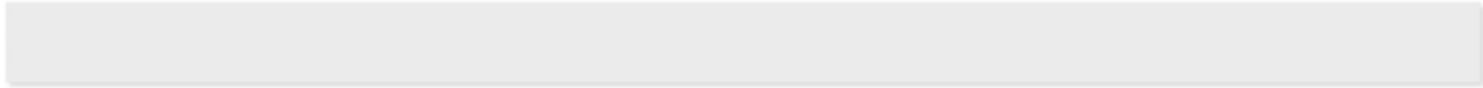




# ISO 14046: water footprint

## Summary of the project

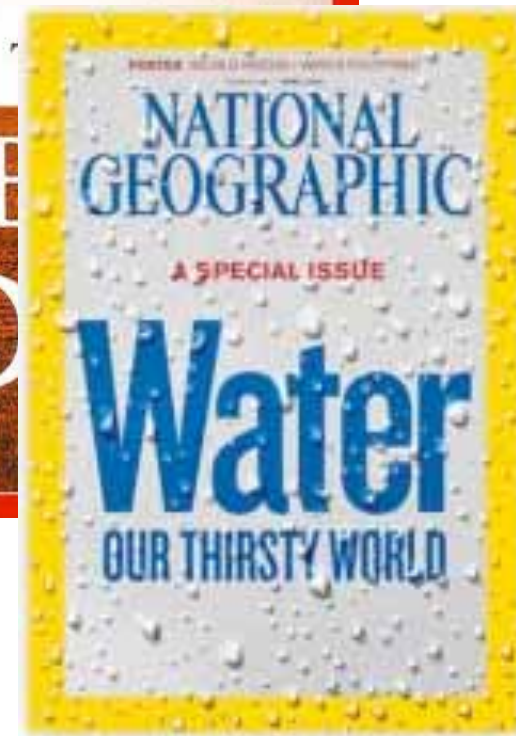
Sebastien Humbert  
Convener ISO/TC207/SC5/WG8 water footprint  
Scientific director,  
Quantis  
[sebastien.humbert@quantis-intl.com](mailto:sebastien.humbert@quantis-intl.com)  
+41-79-754-7566



# Problematic



“global warming” ... “global drying”



VIRTUAL WATER



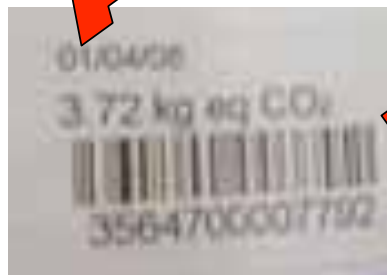
4500

litres of water for one steak (300g) of Beef

140 litres of water

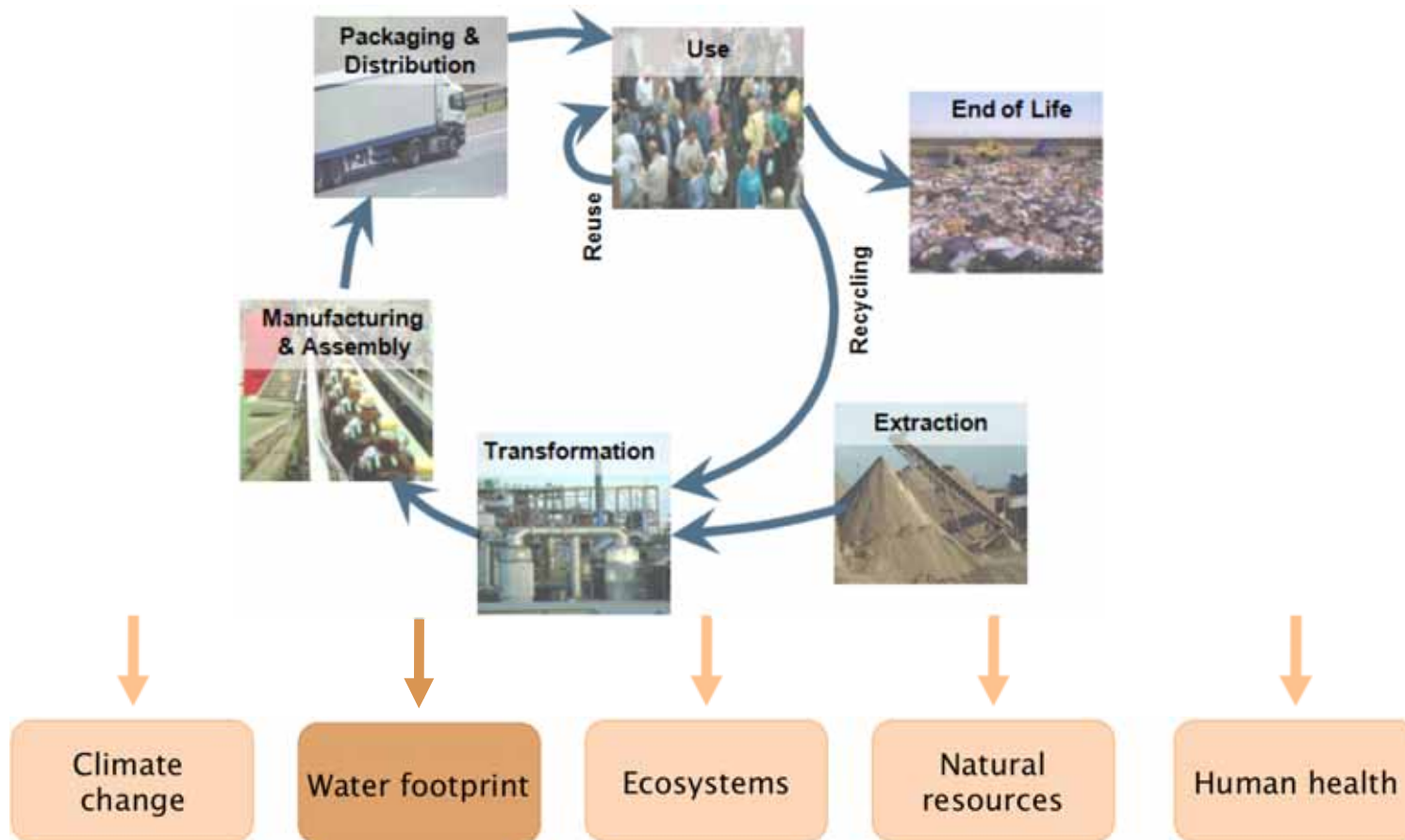


1 cup of coffee



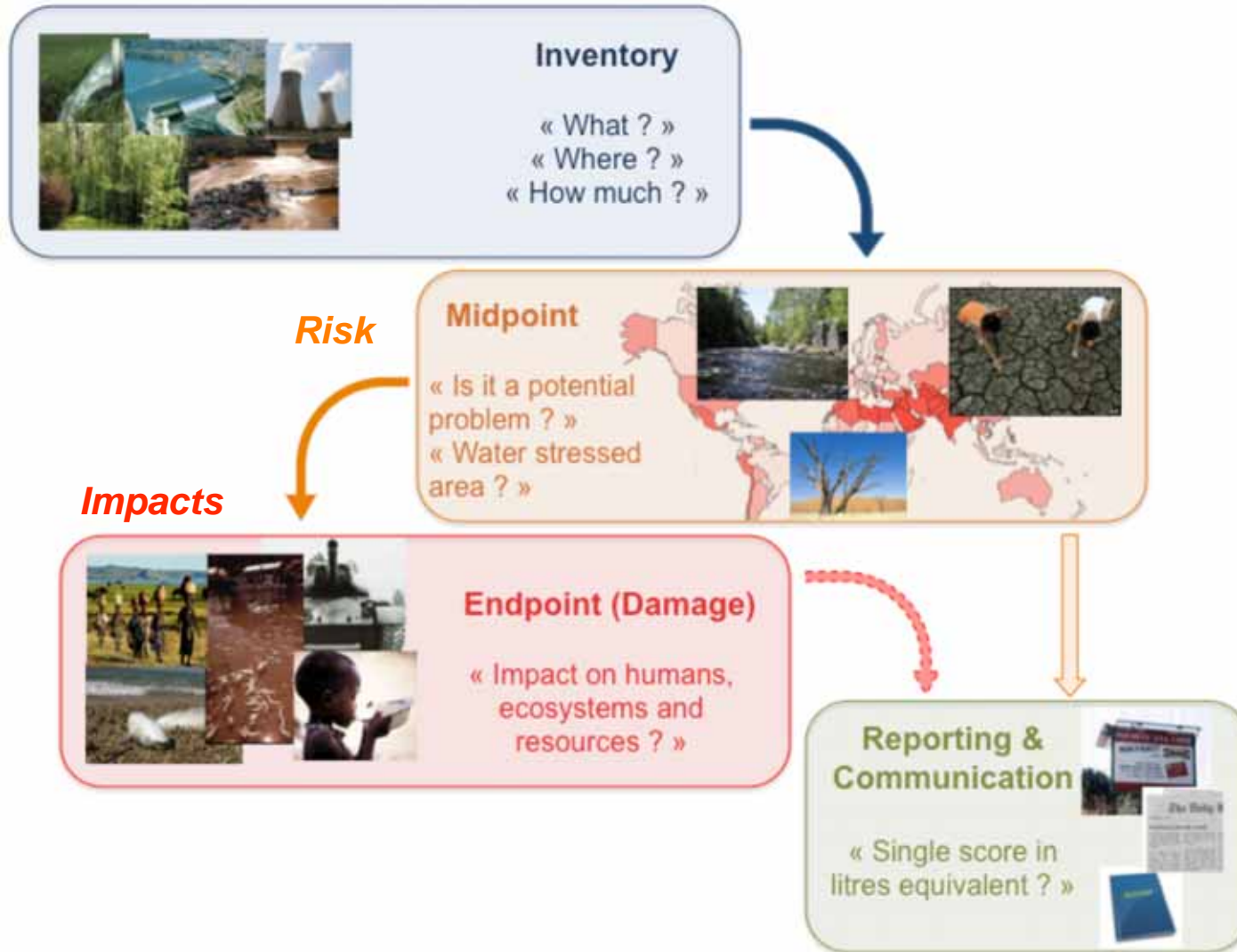
Consistency? Applicability? Meaning?

## Why expanding the scope of water footprint to LCA?



To avoid burden shifting from an impact category to another  
(avoid "perverse outcomes" – WBCSD Montreux workshop key learning)

# Impact assessment perspective





**ISO:**  
**Towards an international standard for water  
footprinting**



## ISO 14046: In summary

- “Water Footprint: Requirements and Guidelines”
- International standard for water footprinting
  - *This International Standard specifies requirements and guidelines to assess and report water footprint based on LCA*
    - Terminology
    - Important stages to consider
    - Consistency with carbon footprinting and other LCA impact categories
      - Scope, system boundary, etc.
    - Review/Validation
    - Reporting
- Began 2009, ends 2012/13
- Towards industry and practitioners



## 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

# 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 PWI
  - 11-18.Jul.2010: Second **working meeting**
    - (Leon, Mexico)
    - Detailed sections PWI
  - 24-26.01.2011: Third **working meeting**
    - (Lausanne, Switzerland)
    - Finalization of draft PWI
  - 26.06-02.07.2011: Fourth **working meeting**
    - (Oslo, Norway)
    - Finalization of draft + Submission of PWI for vote to advance it to AWI
  - End.2011: Fifth **working meeting**
    - (Location TBC - Invitation opened)
    - Finalization of accepted standard (AWI) ?
  - Mid.2012: Sixth **working meeting**
    - (City?, Thailand - TBC)
    - Vote on proposed standard ?
  - End.2012/Early.2013: Seven **working meeting**
    - (Location TBC)
    - Additional work if needed
  - Mid.2013: Eighth **working meeting**
    - (Location TBC, with TC207 meeting)
    - Additional work if needed



## Organization

- WG 8, part of ISO / TC 207 / SC 5
  - ISO 14046
- Contact:
  - Proposer & Secretariat:
    - SNV, Swiss Association for Standardization
    - Marcel Schulze, [marcel.schulze@snv.ch](mailto:marcel.schulze@snv.ch)
  - Convener:
    - Sebastien Humbert, Quantis, Lausanne, Switzerland, [sebastien.humbert@quantis-intl.com](mailto: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](mailto:nsuppen@centroacv.com.mx)
- List P and O members
  - App. 40 members
- To participate
  - As a national delegation or liaison member to TC207/SC5