

Parallel session 8

Global implications of a country's water footprint - the case of industrialized countries



Chairs:

Manuela Helmecke

Section General Aspects of Water and Soil, German Environment Agency

Dr. Markus Berger

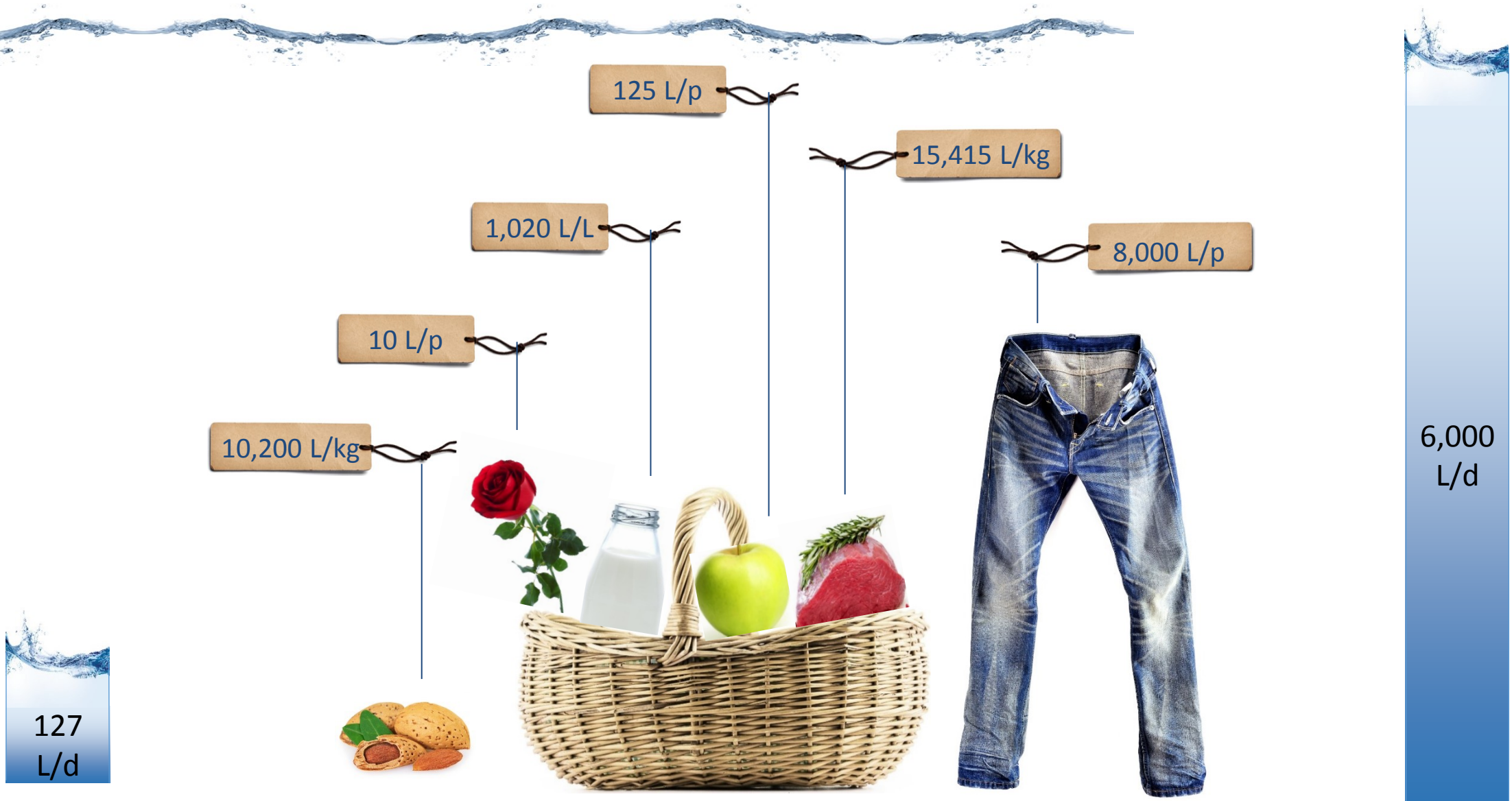
Chair of Sustainable Engineering, Technical University Berlin, Germany

Speakers



- **Dr. Markus Berger**
Chair of Sustainable Engineering, Technical University Berlin, Germany
- **Prof. Dr. Anne-Marie Boulay**
International Reference Centre for Life Cycle of Products, Services and Systems, (CIRAIG), Canada
- **Jonas Bunsen**
Chair of Sustainable Engineering, Technical University Berlin, Germany
- **Dr. Masaharu Motoshita**
National Institute of Advanced Industrial Science and Technology, Japan

How much water do we need every day?



Reference: Water Footprint Network (2020)

Images: Dmitry-Fisher, Valery, Monticello, Pakorn Kumruen, Amphaiwan, Ian Andreiev, Bernd Schmidt, 2day929, Picsfive | Dreamstime.com

Virtual Water

Water consumed/polluted along supply chains of products, organization or nations:

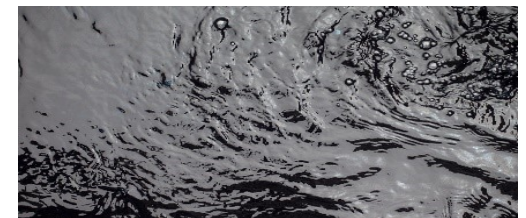
- **Blue water:** ground and surface water
 - ⇒ Blue water consumption: “Loss” of blue water from the originating river basin due to evapotranspiration, product integration or discharge in other basins or the sea
- **Green water:** rain water
 - ⇒ Green water consumption: “Loss” of green water due to evapotranspiration of rainwater by plants
- **Gray water:** polluted blue water
 - ⇒ Gray water footprint: water polluted by wastewater, measured by the volume of water required to dilute wastewater until quality standards are reached



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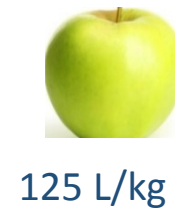
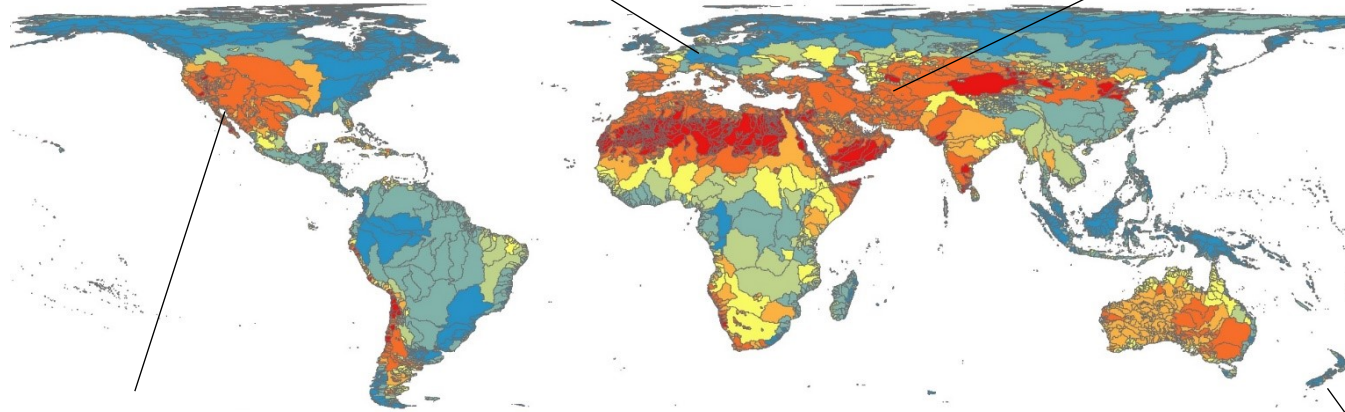


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[Jean-Pierre Pellissier](#) on [Pixabay](#)

Is that a problem?



Discussion



- How well can the findings on the water footprint be linked to sectors/ value chains?

Discussion



- Which conclusions can you draw for potential improvements (quality/ quantity)?

Discussion



- What would you recommend to decision-makers and/or enterprises?

Thanks a lot for your attention!

