The Living Handbook of Perishable Food Supply Chains

- Contributing institutions:
  - CCM group, ITW University of Bonn
  - ZB MED – Information Centre of Life Sciences

- Funded by the DFG (German Research Foundation)

- Editorial Advisory Board: Members from over 10 different countries

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What is a Living Handbook

• A living handbook is an open-access online textbook in which new articles can be published or updated any time
• An editorial board and a mandatory peer review process ensure the quality of the handbooks
• As well as text-based articles, contributors can include research data and multimedia content.
• The idea is to publish, update and expand the material in a collaborative and dynamic way
• Worldwide cooperation of experts of their specific discipline

Benefits of using the Living Handbook:

• Peer reviewed scientific content
• Science belongs to the scientists
• Copyright belongs to the authors
• Stimulate transfer of knowledge
• Improvement of visibility
• Facilitation of traceability and access
• Assignment of persistent digital object identifier (DOI)
• Permanent citability and archiving
Living Handbook of Perishable Food Supply Chains contents – Part I

Part I
Country specific information about cold chains

- Demographic and geographic data
- Economic data and trade statistics
- Sustainability
- Regulations and standards
- Current technologies
- Challenges of cold chain management

Participating countries
Research activities in the field of Cold Chain Management

**Process specific research**
- Cooling and refrigeration technologies
- Temperature monitoring technologies
- Packaging material and technologies
- Machine technology
- Raw materials

**Product specific research**
- Quality and safety parameters
- Development of analytical methods
- Predictive microbiology
- Empirical social research

**Transportation systems and logistics**
- Transport systems
- Supply chain management
- Operation, communication and information systems
- Risk assessment
- Data analysis and software development

**Environmental research**
- Evaluation methods for a resource efficient food production
- Sustainability strategies from production to consumer
- Strategies against food loss and waste

Open for other relevant topics
Review process

- Preliminary selection
- Basic criteria
- General control for topic and formalities

- UB will send the manuscript to the reviewer or to the Editorial Advisory Board
- Reviewers’ recommendations

- Final lectorship
- Decision letter
- Publishing