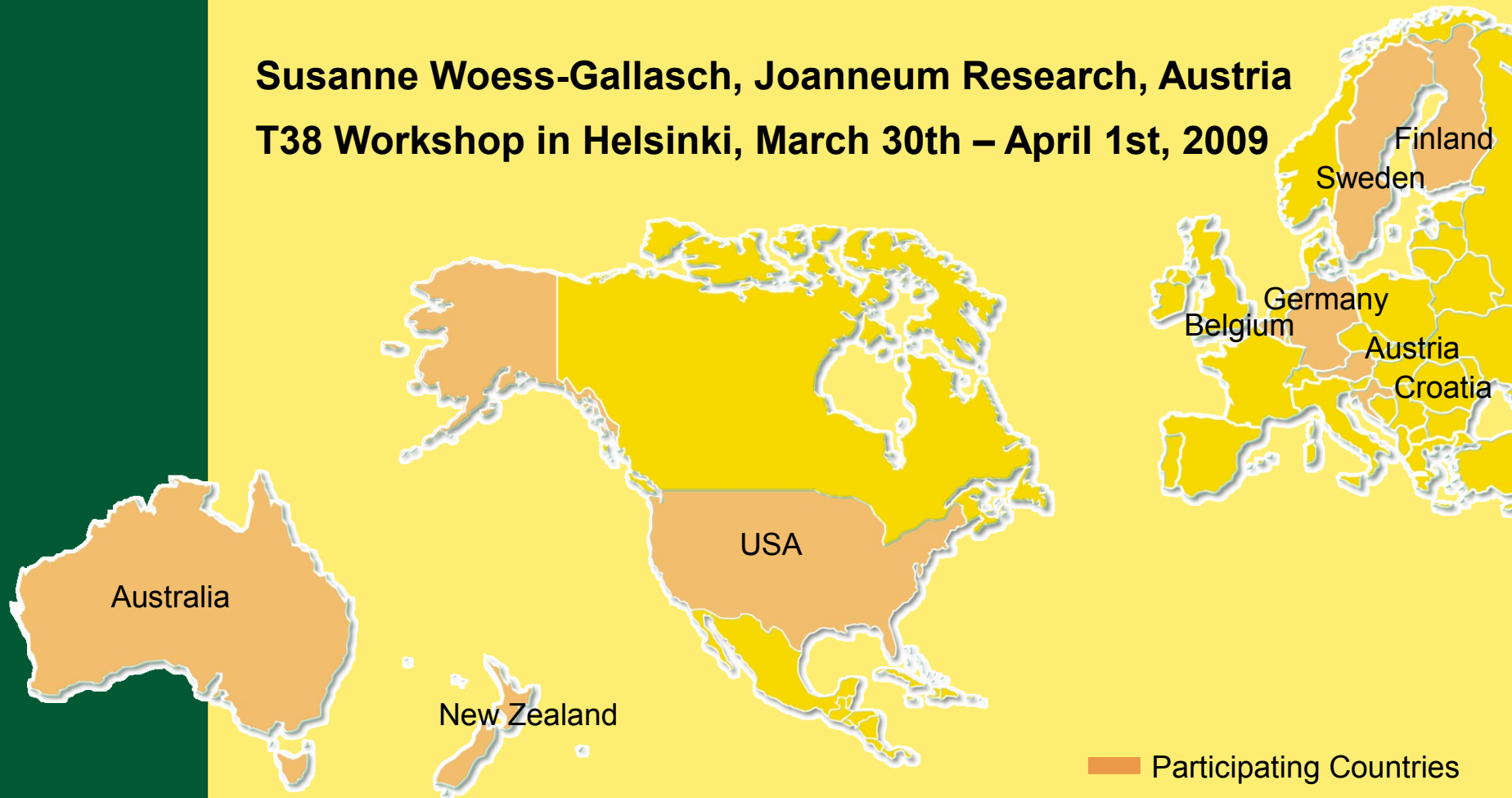


Greenhouse Gas Balances of Biomass and Bioenergy Systems

Susanne Woess-Gallasch, Joanneum Research, Austria

T38 Workshop in Helsinki, March 30th – April 1st, 2009



- international network for coordinating national RD&D programs and exchanging information,
- set up in 1978 by the IEA, currently 22 countries or organizations are members
- series of Tasks, each with a defined work program
- **Mission:** To facilitate, coordinate and maintain **bioenergy research**, development and demonstration **through international cooperation and information exchange**

IEA Bioenergy Tasks

- **Biomass resources:** Forestry and agricultural products, municipal solid waste,
- **Biomass conversion:** Combustion, thermochemical and biochemical processes, biorefineries
- **Bioenergy utilization:** Heat and power, transportation fuels,
- **Integrating research themes:** socio-economic drivers, greenhouse gas balances, biomass trade, bioenergy systems analysis.

Participating Countries and NTLs 2008



Australia

Annette Cowie

Co-Task Leader



Austria

Susanne Woess-Gallasch

Neil Bird, **Task Leader**



Belgium

Florence Van Stappen



Croatia

Ana Kojakovic



Finland

Sampo Soimakallio

Kim Pingoud



Germany

Sebastian Rüter



Sweden

Kenneth Möllersten



United States

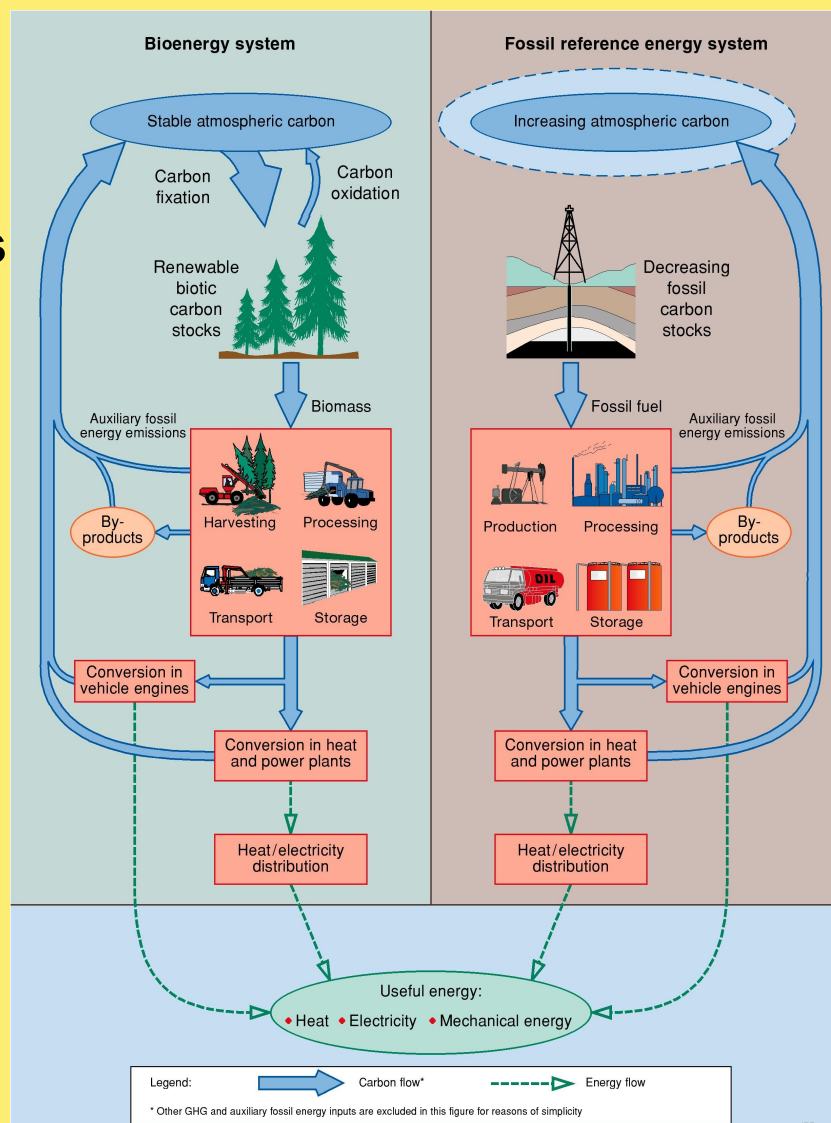
Mark Downing

Objectives of Task 38

- **Develop, demonstrate and apply standard methodology for GHG balances**
- **Increase understanding of GHG outcomes of bioenergy and carbon sequestration**
- **Address policy relevant issues on GHG mitigation**
- **Promote international exchange of ideas, models and scientific results**
- **Aid decision makers in selecting mitigation strategies that optimize GHG benefits**

Standard Methodology

- Carbon stock dynamics
- Trade-offs and synergies
- Permanence
- Emission factors
- Efficiency
- Up stream energy inputs
- By-products
- Leakage
- Other GHG's



IEA Bioenergy

Task 38

Thank you for your attention

susanne.woess@joanneum.at

www.ieabioenergy-task38.org



 Participating Countries