

Markus Tum, Kurt Günther
German Aerospace Center (DLR)
Service B1: Mapping biomass potentials
13.01.2011

ENDORSE



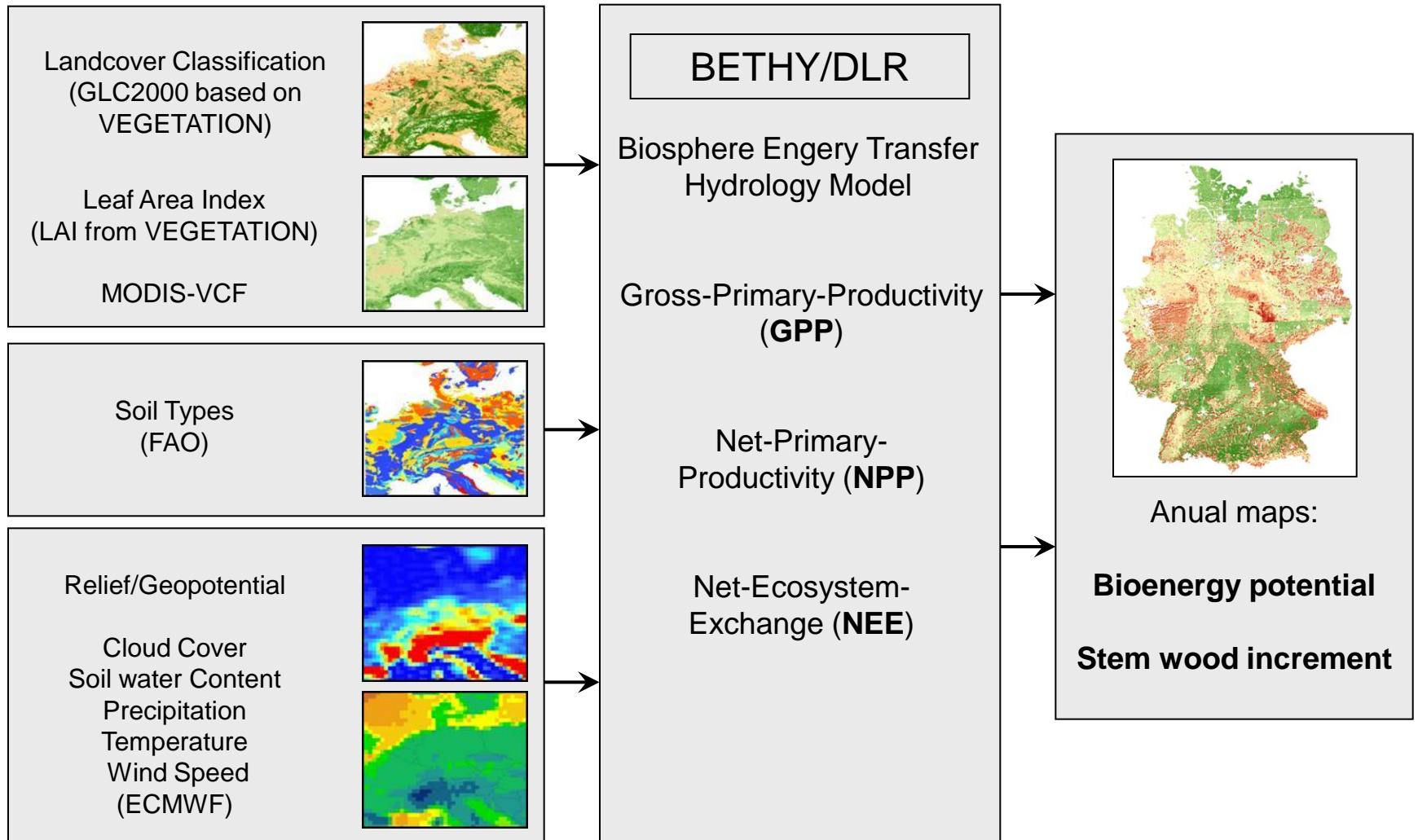
Overview of Objectives

- Modeling NPP for Brandenburgs state forests
 - Collaboration with LFE (prime user)

Eberswalde Forestry competence center

- Validation
- Estimation of energy potentials
- Developement of pre market service

Example for modelling NPP



Expectation (of the prime user)

- Prime user: LFE
Eberswalde Forestry competence center
- Assessment of stem wood increment
- Support for sustainable, economic and ecological energy production



Product & Service

- Product:
 - Annual maps of stem wood increment for Brandenburg forests
 - Resolution: 1km x 1km
 - Regular investigation of forest biomass increment
- Service:
 - Possible tool to investigate forest biomass increment on continental scale

Challenges & Innovation

- Efficient and area-wide information flow
- Consulting tool for politics and public
- Accounting of carbon cycle
- Interest of sustainable energy production will be supported
- Use of GEOland2 data

Market

- Political decision makers on regional, national, continental scale
- Private forest owners
- Energy supply companies
 - Fast growing species plantations

Measures of success of each phase

- Phase 1
 - Product Development
 - Month: 3 – 21
 - Person Months: 6
 - Validation, acceptance of the product by prime user
- Phase 2
 - Pre Market service
 - Month: 19 – 30
 - Person Months: 2
 - Presentation on Bioenergy conference, Publication
 - Finding company to operate with approach