JRC’s perspective
highlights from the
Forest Resources and Climate Unit

European Commission’s Joint Research Centre (JRC)
Institute of Environment and Sustainability

presented by P. Strobl
JRC’s role:
being a trusted peer and point of reference for both policy makers in the Commission and the scientific community, ensuring that EU policies are informed by the best available evidence

& Forest’s importance:
• Environment
• Economy
• Society
Forestry, logging and wood-based industries in EU-27: 150 billion € gross value per year

Crops grown in the EU are worth 205 billion € per year

Source: Eurostat & FAOstat; courtesy: P. Beck
Forest Resources and Climate:

central hub in the JRC for forest related studies:

- Forest Observatory: with emphasis on the tropics - **REDD+**
- Forest Information Systems: integrated modelling of all aspects of forest policies. Emphasis is on Europe
- Green House Gas Inventories: coordination and enhancement of UNFCCC reporting

**Biomass as independent task is strongly interlinked with all the above activities**
JRC biomass project

• Overarching JRC study for the assessment of EU and global biomass supply, demand, flows, and sustainability

• Long-term mandate to support EU level policy making.

• Covering all sources of biomass and all uses

• Addressing impacts linked with production and use of biomass, competition and synergies between sectors for biomass resources

• Scenarios and projection for biomass supply and demand and their respective impacts, with short-term (2020) and medium-term (2030) perspectives
Objectives first 2 years (2015-2016)

• Set up a **knowledge-base on biomass** relevant issues at EU and global level and identify gaps.

• Develop **projections of future biomass supply and demand** and related impacts under given policy scenarios.
Advances end 2015

- **Task 1**: Review of Literature and existing datasets completed

- **Tasks 2-5**: preliminary versions of all deliverables submitted to EC services

- Knowledge base (so far) mostly based on existing statistical datasets

- Modelling framework for future projections designed and test runs made

Determination of tropical deforestation rates and related carbon losses from 1990 to 2010

FRÉDÉRIC ACHARD¹, RENÉ BEUCHLE¹, PHILIPPE MAYAUX¹, HANS-JÜRGEN STIBIG¹,
Determination of tropical deforestation rates and related carbon losses from 1990 to 2010

FRÉDÉRIC ACHARD¹, RENÉ BEUCHLE¹, PHILIPPE MAYAUX¹, HANS-JÜRGEN STIBIG¹,
Assessment of Above-Ground Biomass of Borneo Forests through a New Data-Fusion Approach Combining Two Pan-Tropical Biomass Maps

Andreas Langner \(^1\), Frédéric Achard \(^1\), Christelle Vancutsem \(^1\), Jean-François Pekel \(^1\), Dario Simonetti \(^1\), Giacomo Grassi \(^1\), Kanehiro Kitayama \(^2\) and Mikiyasu Nakayama \(^3\)

- Harmonisation
- Data-fusion
- Improvement
Post-Paris GHG necessities:

a “Framework for transparency of actions”

• Land sector has highest **uncertainty**!

• criteria for improved emission reporting are: **accuracy**, **consistency**, **completeness** and **comparability**

• which must be combined with: **accessibility** and **policy relevance**

**Increased trust in land sector GHG assessments is key to the success of the Paris Agreement!**