



INSEA

Integrated Sink Enhancement Assessment

MINUTES

INSEA T13 Database Meeting

**11 January 2005
IIASA, Laxenburg, Austria**



EC Project



Sixth Framework Programme

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Web: <http://www.iiasa.ac.at/Research/FOR/INSEA>

AGENDA
INSEA T13 Database Meeting
11 January 2005
Gvishiani Room – IIASA, Laxenburg, Austria

09.00: Opening and Overview on Deliverables (*Michael*)

1. Report on Database Strategy (D7)
2. Baseline Report (D8)
3. Status Report (D2)

Discussion on deliverables and outstanding items to render INSEA operational

09.25: FASOM Data Base Structure (*Uwe*)

10.00: Coffee Break

10.20: Break up into Sub Groups as follows

Biophysical Modeling Group

1. Status quo on soil, climate and management data & processing for HRU delineation
 - 1.1. Soil data (*Juraj,...*)
 - 1.2. Climate (*Elena,...*)
 - 1.3. Land use and management (*Juraj, Rastislav, Katarina,...*)
... with special focus on NewCronos and LUCAS
2. Crop rotation and land use
 - 2.1. Methodology to derive representative crop rotations for NUTS2 (*Radoslav, Uwe,...*)
3. Definition of base management for crops and crop rotations, grass land activities, permanent crops, forestry, tillage, fertilization (organic - commercial) (*Stephane*), irrigation, harvesting/production coefficients

Economic Modeling Group (AGRI)

1. Economic data and livestock emission coefficients
 - 1.1. Engineering data for crop management
 - 1.2. Financial data for cost estimation (*Stephane,...*)
 - 1.3. Livestock data and emission coefficients (*Daniel,...*)
2. Demand model and linkage to other integrated assessment models (*Uwe/Bruno*)

Forest Modeling Group

1. Forest Sector Modeling (*Andreas, Birger, Alexander, Michael*)
2. Biophysical Forest growth modeling (*Oskar, Rupert, Florian*)

12.00: Lunch at the Schloss Restaurant, Green Coffee Room

13.00: Continuing of the Discussions in the Sub Groups

15.00: End of Sub Group Discussions

15.00: Coffee break

15.20: Presentation of Sub Group Discussion Results

16.00: Linkage of bio-physical models (agriculture + forestry) with economic models (farm, sector levels)

18.30: Departure for Winzer Gregor Schup Heuriger, Guntramsdorf

AGREEMENTS & FURTHER STEPS

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Future Steps to be performed by the INSEA consortium as identified at the T13 Database Meeting (11 January 2005)

Modalities: All of the following reports to be delivered to Brussels by the end of T13

- (D2) Status Report
- (D7) Report on Database Strategy
- (D8) Baseline Report

should be seen as ONE big report which will be based on our INSEA T9 deliverable. The purpose is to create a project internal paper that flashes out the workplan in order to keep the INSEA machinery running (clear working steps and deadlines) as well as a background and technical documentations what was accomplished so far (e.g. concise description of database).

A. Biophysical Modeling Group

Topic	Who	Task	When
Climate	Elena	MARS + EA Baseline Climate Data	Feb 2005
	Vladimir	Climate Change Data Ask Climate Unit in JRC for additional Climate (Change) info	Mar 2005 Jan 2005
			continuing

Soil and HRU delineation		Status quo Soil Statistics Database (10k) Organic Carbon (1k), Vladimir will ask if additional soil data will be made available for 1k. Org. C validation of JRC data and Slovakian soil samples (17000) (substantial differences) New approach for HRU – Delineation (advantages: flexible in scale, 1k based procedure).	
	Juraj	Soil database test run for BW	Mar 2005
	Vladimir Rainer	Provide new information from JRC and BGR to improve input data quality	Apr 2005
	Juraj Vladimir Rainer Jruaj	Reprocessing improved input information and complete soil table for EU25 + Validation (with national and regional soil database, and expert opinions???)	Jul 2005
N-deposition	Juraj	EMEP Delineation and aggregation	Feb 2005
Management			
PHU	Erwin		
Crop Rotation	Juraj Katarina Radoslav Rastislav Erwin Uwe	New Cronos Data (14 y) + LUCAS Data Broker into 3 classes (soil classes) for each NUTS2 Test approach for creating crop sequences	???? open to discuss
Tillage	Katarina Radoslav		????
Fertilization	Katarina Radoslav Daniel Stephane RAINS		
Fertilization	Vladimir	Ask Fertilizer Group in JRC	Jan 2005

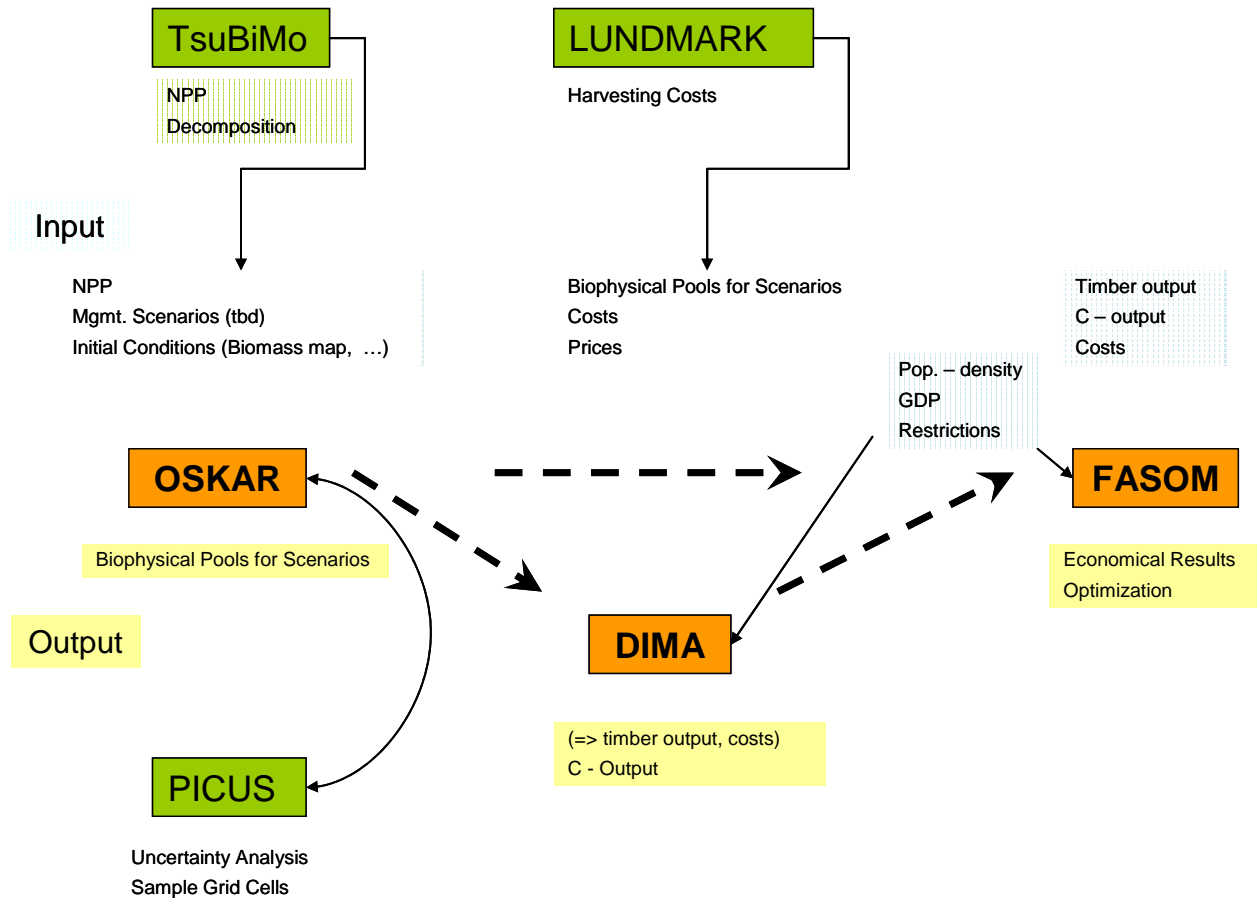
Irrigation	Katarina Radoslav Juraj Rastislav Daniel Stephane Uwe		
Irrigation	Rainer	Ask CAPRI-DynaSpat	Jan 2005
Grassland management	Katarina Radoslav		????
Permanent Crops (Olive, vineyards)	Katarina Radoslav		
Baseline management			
Alternative management			

B. Economic Modeling Group (AGRI)

Task	Who	When
Management parameters (6 crops in Germany)	Daniel	Tomorrow
Policy Parameters (CAP Reform) By Country / Region (At least for the 6 biggest EU MS)	Stéphane	Early Feb
Database strategy write-up	Uwe	20 Jan
AgModel link	Uwe+	25 Jan
Fertilization data to add to the database	Stéphane	Mid Feb
Parameters from the yield response curve	Stéphane	Early March
Updated Grassland Yield (At least for France based on SCEES estimates)	Stéphane	Mid Feb
Calculation of variable and fixed costs of basic management parameters (6 crops in Germany)	Bruno	February
Livestock abatement data from US	Uwe	End March
Irrigation data to add from CG's PhD + EUROSTAT	Stéphane Bruno	End Feb
Animal feeding parameters	Stéphane Bruno	Mid March
Emission factors /Manure IPCC param	Stéphane Bruno	Mid Feb
Fossil fuel based emission accounting data	Uwe	End March
Complete AROPA-GHG database to the common database (depending on the delivery of the EU 2001(2) FADN database)	Stéphane	Mid April

C. Forest Modeling Group

Graph 1: Forestry Models Flow Chart



Next Steps in Forestry Biophysical Modeling:

Task	Who	When
PICUS simulation for OSKAR-Model parameterization	(BOKU)	by mid Jan
Construction of OSKAR-Model	(IIASA)	by end Jan
Adaptation of DIMA-Model for respective optimization runs	(IIASA)	by end Jan
Parameterization of OSKAR-Model	(IIASA)	by mid Feb
Defining Forest Management Scenarios	(IIASA)	by mid Feb
Cost module implementation (adaptation and extension of Lundmark function)	(IIASA)	by beg Mar
Establish link to FASOM Model	(IIASA)	by end Mar
First entire model runs	(IIASA/BOKU)	by end Apr

Participant List
INSEA T13 Database Meeting

11 January 2005

IIASA, Laxenburg, Austria

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