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What is an ERA-Net?

EC-funded project

Eligible partners: funding organisations only

Aim:

Coordination of national + regional research programs

Funding of transnational research projects



Towards a European Research Area in Industrial Biotechnology = ERA-IB



1 May 2006 – 31 Dec 2011

Coordinated by: NWO-CW/ACTS, NL



SIXTH FRAMEWORK
PROGRAMME



Towards a European Research Area in Industrial Biotechnology: ERA-IB2

1 December 2011 – 30 November 2015

Coordinated by: FNR, DE



SEVENTH FRAMEWORK
PROGRAMME

Industrial Biotechnology (IB)

- is the modern use and application of biotechnology for the sustainable processing and production of chemicals and materials (fuels -> ERA-Net BioEnergy)
- It uses enzymes and micro-organisms to make products in sectors such as chemistry, food and feed, paper and pulp, textiles and energy.

-> ERA-IB topics:

- Improved **enzyme systems** for new and more efficient bioprocesses
- Improvement of **microorganisms** by metabolic engineering and synthetic and systems biology approaches
- Innovative **down-stream processing**
- Innovative **fermentation** and bio-catalytic processes, e.g. for platform chemicals, including bio-monomers, oligomers and polymers
- **Down-stream processing** (including separation and conversion) of biomass, including from side streams, and other renewable carbon sources into value added products
- **New valuable products** by plant and animal cell cultures

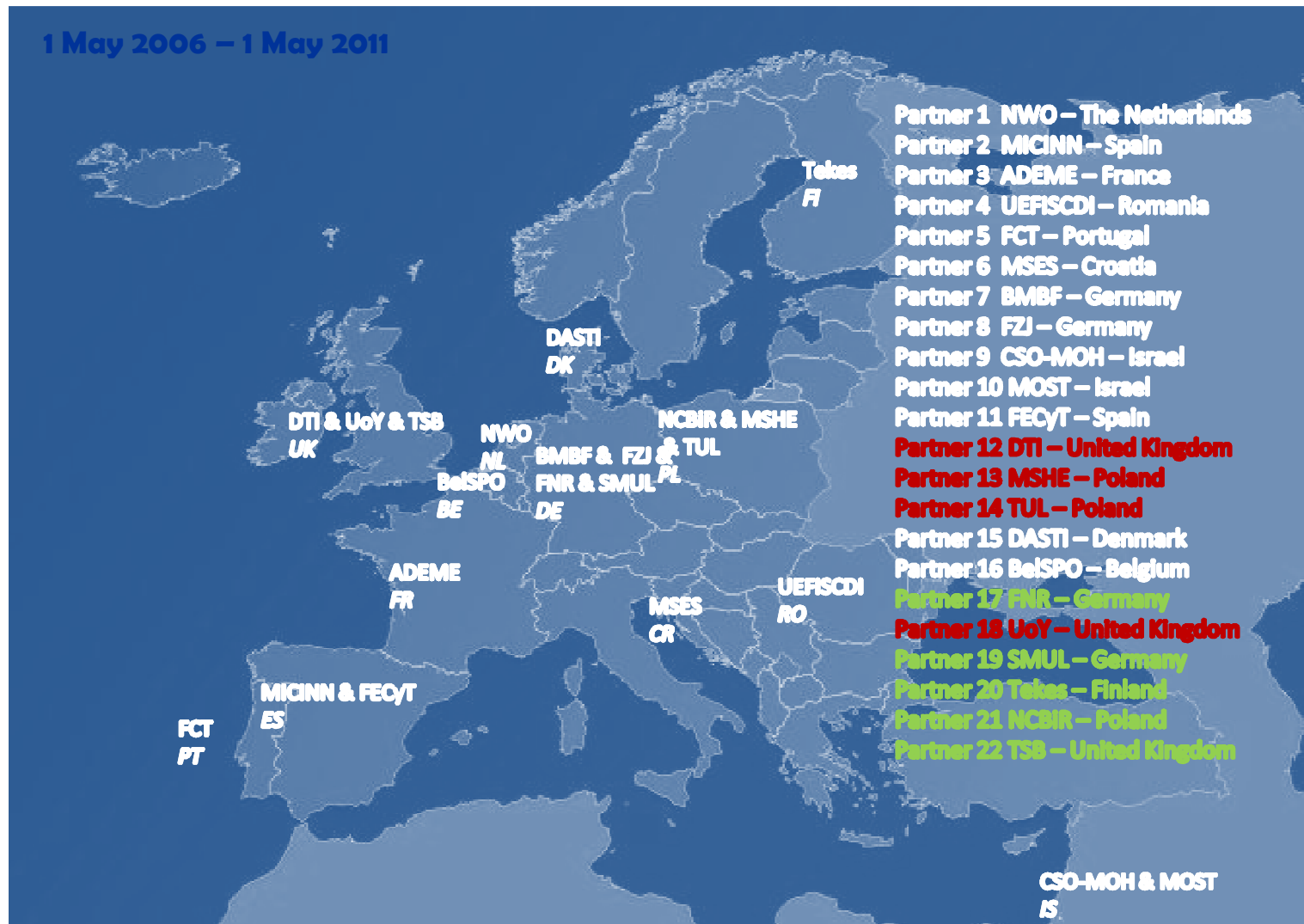
Overlap with marine biotechnology, e.g. regarding technologies like -omics

18 ERA-IB Partners from 13 countries / regions

	NWO – The Netherlands		CSO-MOH / MOST - Israel
	MICINN / FECyT - Spain		TSB - UK
	ADEME -France		NCBiR - Poland
	UEFISCDI - Romania		DASTI - Denmark
	FCT - Portugal		BelSPO - Belgium
	MSES - Croatia		TEKES – Finland
	BMBF / FZJ / FNR / SMUL - Germany		

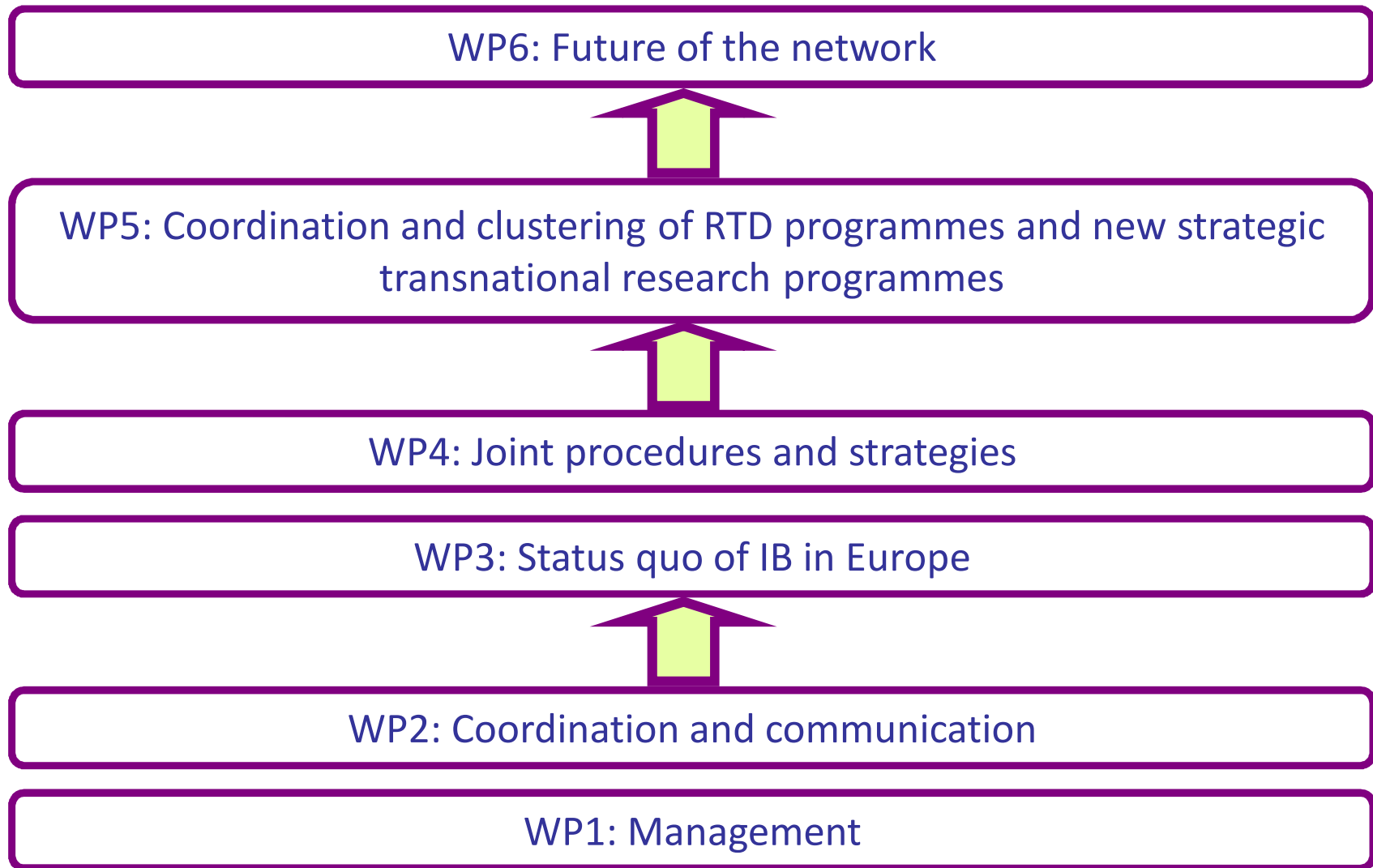
Observers: Slovenia, Norway, Sweden, Italy

Creating synergy, critical mass and competitive edge



Left consortium during term
Entered consortium during term

Getting things done: Work Packages



WP2: Examples of Communication results

Communication tools:

- ERA-NET platform meetings
- website + e-newsletter
- extranet
- portal
- flyer
- poster
- presentations
- satellite meetings

Website:
www.era-ib.net

poster



e-newsletter



flyer



European level: ETP-SusChem Technology Sections

**Industrial
Biotechnology**



**alignment
with ERA-IB**

Materials Technology



**Reaction & Process
Design**



Vision

February 2005



**Strategic
Research
Agenda**

November

**alignment
with ERA-IB**



**Implementation
Action Plan**

August 2006



European Research Area (ERA) - Platform Meeting of ERA-Nets related to ERA-IB and the KBBE -> Meetings approx. every 18 months

- ERA-Net Bioenergy – Bioenergy from renewable bio-resources
- ERA-Chemistry
- ERA-Net EuroTransBio – SME funding in biotechnology
- BiodivERsA – Biodiversity Research
- EraSysBio – System Biological Research
- WoodWisdom-Net – Wood material science
- ERA-EuroNanoMed
- ERA-Neuron and ERA-AGE
- ERA-Net PathoGenoMics - **Genome** sequencing and functional genomics of human-**pathogenic microorganisms**
- ERA-ARD II (Agriculture)
- KBBE and Plant Genomics

Joint Calls for proposals: procedure

Pre-proposals:

short project summaries (approx. 2 pages) + consortium structure

Full proposals:

1. Detailed project and consortium description
2. Peer-review by external referees + expert panel meeting
3. rebuttal in response to the external referee reports
4. priority ranking by expert panel
-> advices ERA-IB Executive Board (EB = funding organisations)
5. funding decision by EB members

1st joint call for proposals: 2007/2008

10 funding organisations from 9 countries



DASTI



Tekes



ADEME



FNR



BeISPO



MICINN



NCBiR



FCT



SMUL



NWO

Facts and Figures 1st joint call for proposals

pre proposals 32

full proposals 19

Granted projects 8

Total budget available: 11.3 M€

Funding organisations allocated 9.7 M€ to 8 projects

Project runtime 3 years (NL: 4 years)



2nd joint call for proposals: 2009/2010

11 funding organisations, from 10 countries



Facts and Figures 2nd joint call for proposals

pre proposals	46
full proposals	25
Granted projects	10

Total budget available:	14,9 M€
Funding organisations allocated	11.1 M€ to 10 projects

Project runtime 3 years (NL: 4 years)



Transition period from ERA-IB to ERA-IB2: May – December 2011

- **extension of the ERA-Net runtime from May to December 2011**
 - **Preparation of the ERA-IB2 activities, e.g. 3rd Joint Call for proposals**
- > Launch 3rd joint call by month 3 of ERA-IB 2 (March 2012)

Partner structure of ERA-IB2



**19 Partner
from 15 countries**

- "old" ERA-IB partner
- "new" ERA-IB partner
- ERA-IB observer

● Israel



3rd joint call for proposals: 2011/2012

16 funding organisations, from 13 countries

- IWT, Belgium
- DASTI, Denmark
- ADEME, France
- FNR, Germany
- SMUL, Freistaat Sachsen, Germany
- BMBF, Germany
- MOARD, Israel
- RCN, Norway
- NCBiR, Poland
- FCT, Portugal
- UEFISCDI, Romania
- FASIE, Russia
- MINECO (formerly MICINN), Spain
- TUBITAK, Turkey
- TSB, United Kingdom
- BBSRC, United Kingdom

Facts and Figures 3rd joint call
for proposals:

Total budget available: 20 M€

pre proposals ?
(Deadline 30th April 2012)

ERA-IB: where are we at the moment?

Joint Calls:

- 1st call implemented, projects about to finish
- 2nd call implemented, projects ongoing
- 3rd call (= 1st call within ERA-IB2) launched

What's next?

- *4th call: preparation started (focussed call, topic short-list from stakeholder consultation-> publication: early 2013)*



Thank you for your attention