



TRLs in ERA CoBioTech (ERA-Net Cofund on Biotechnologies)

October 7, 2016

PLATFORM Annual Event 2016

- The bigger picture: P2Ps for Inclusiveness and Innovation

Ljubljana, Slovenia

Dr. Petra E. Schulte/Dr. Christian Breuer

Project Management Jülich (JUELICH)

Division Bioeconomy

Department European Initiatives, International Affairs (BIO7)

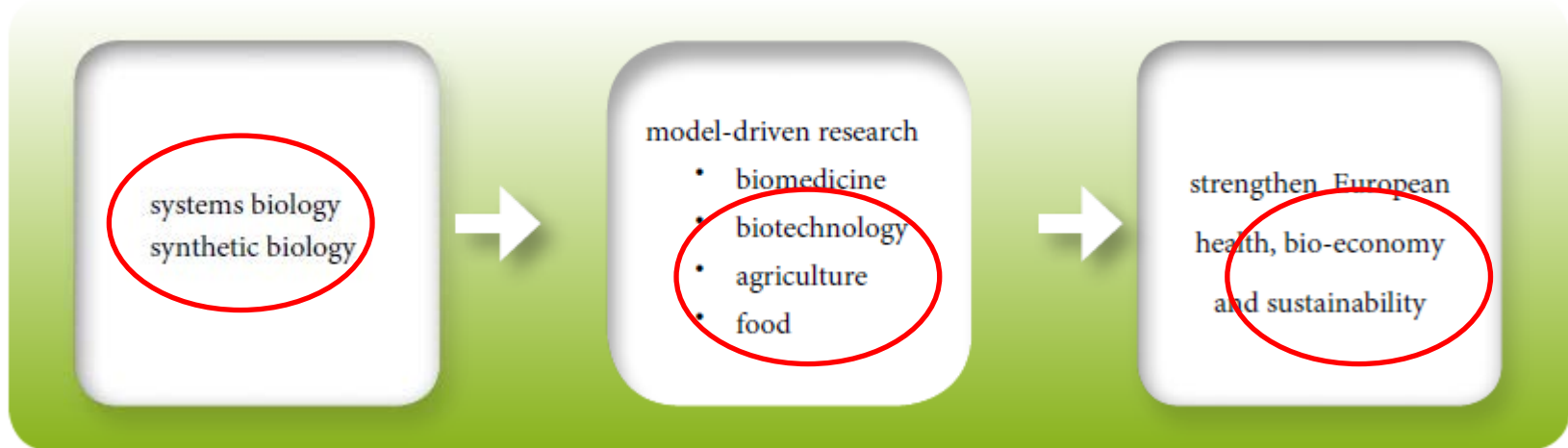
Forschungszentrum Jülich GmbH



From SRA – Systems Biology in Europe 2016:



Systems Biology affects the key elements of applications in European health, bio-economy and sustainability.



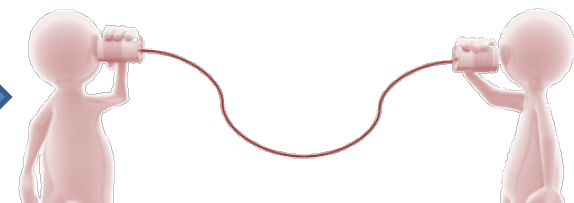
**systems biology and synthetic biology as technology drivers
(while focusing on downstream industrial applications)**

History – Successors of ERA CoBioTech



189,000,000 €

History – Successors of ERA CoBioTech



Who are we?

JUELICH	DE
BMBF	DE
FNR	DE
MIZS	SI
FCT	PT
MINECO	ES
SMWK	DE
BBSRC	UK
MINCYT	AR
SPW	BE
ANR	FR
ADECAL	NC
CSO/MOH	IL
NWO	NL
RCN	NO
UEFISCDI	RO
TUBITAK	TR
VIAA	LV
NCBR	PL
ETAg	EE
MIUR	IT
CDTI	ES
CTI	CH
FASIE	RU
NSF	US



Dec. 1, 2016 – Nov. 30, 2021

Bridging the gap to Innovation – more than “encourage” industry

Co-funded Call:

TRL 1 -basic principles observed

TRL 2 -technology concept formulated

TRL 3 -**experimental proof of concept**

TRL 4 -**technology validated in lab**

TRL 5 -**technology validated in relevant environment**

TRL 6 -**technology demonstrated in relevant environment**

TRL 7 -system prototype demonstration in operational environment

TRL 8 -system complete and qualified

TRL 9 -actual system proven in operational environment

(competitive manufacturing in the case of KET; or in space

• how to achieve higher TRL

Bridging the gap to Innovation - Communication

Why?



- highlight the benefits of biotechnology/bio-based economy for society
- Tax payers interest
 - Where does my money go? Value for money!
- Increased acceptance of innovations and products
- More funding/support based on increased awareness
- Better understanding of the “other stakeholders”

Bridging the gap to Innovation - Communication



Bridging the gap to Innovation - European Biotechnology Hub

Integrate actors from all parts of biotechnology value chains and from all relevant scientific areas and industry sectors

- policy actors,
- strategic European Instruments & Initiatives
- scientific and industrial actors

**Provide one central umbrella to
biotechnology-relevant activities
for Europe and beyond**



(e.g. EC, ERA-Nets, JTIs, PPP, KICs,
PLATFORM)

Biotech Hub Meetings



What happens?

- Presenting and discussing of strategic issues, challenges, activities
- Exchange of experiences regarding different and common actions of ERA-Nets and other strategic European instruments and initiatives in related areas

Outcome

- Exchange of knowledge, „best practice“, experiences regarding regional, national and European actions and strategies
- Networks and collaborations are enlarged or strengthened
- Topics for future ERA-Nets (or additional calls) or ideas for other forms of collaboration between policy makers and funding bodies
- **Recommendations to the EC**

Biotech Hub Workshops



Who?

- scientific and industrial actors

What happens?

- Training
- Ideas, demands, concepts are discussed/developed
- Networks are made or strengthened

Outcome

- Better understanding of other stakeholders' demands and ways of working
- Newly developed consortia and project ideas
- New knowledge and skills, e.g. regarding European collaboration

Bridging the gap to Innovation - Communication

Co-funded Call

- Communication Plan
- Template
- Webinars
- Training



The co-funded call: timeline and proposals

Website: www.cobiotech.eu

Contact:

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Forschungszentrum Jülich GmbH

petra.schulte@fz-juelich.de

+ (0)49 2461 61 9031

Call Office (ptj-cobiotech@fz-juelich.de)

Submission Website (<http://www.submission-cobiotech.eu/>)

