

Bio-economy & SDGs challenges & opportunities

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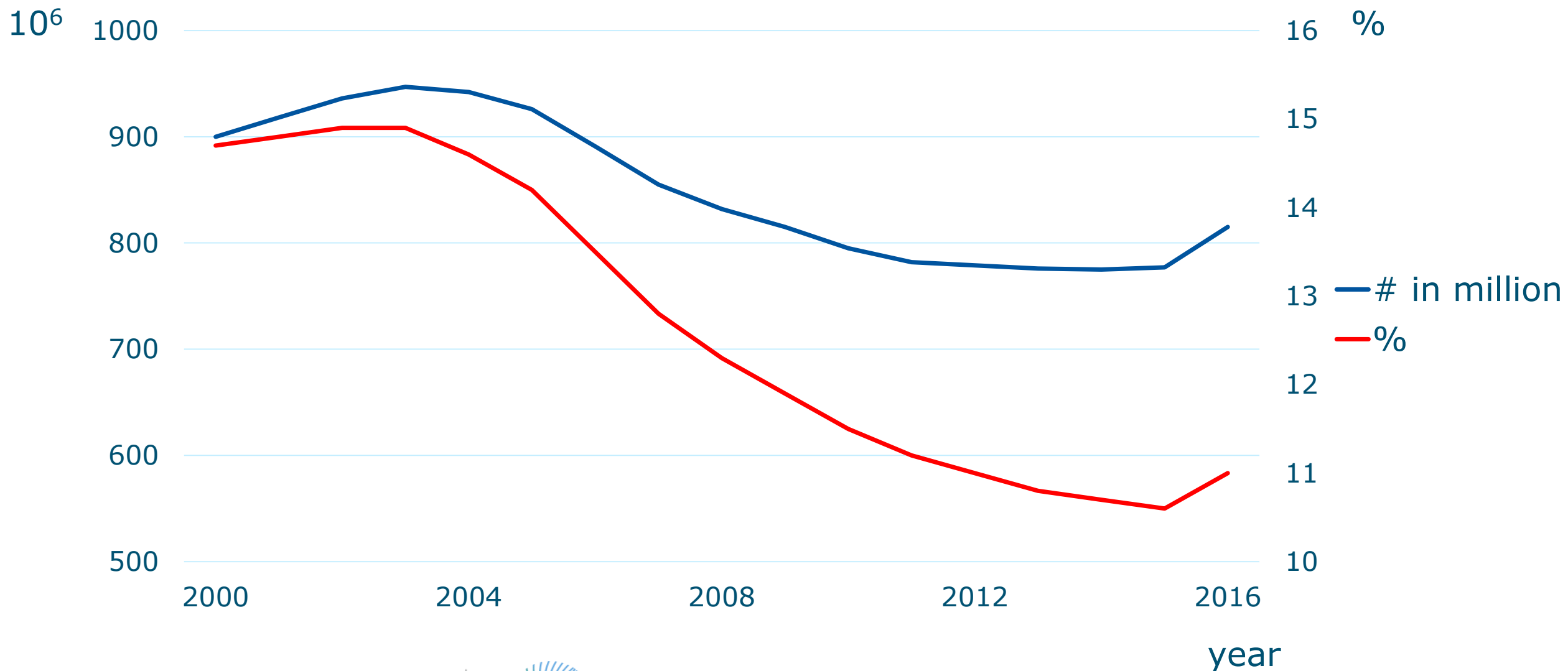
100years

SDGs fit WUR perfectly

2 ZERO
HUNGER



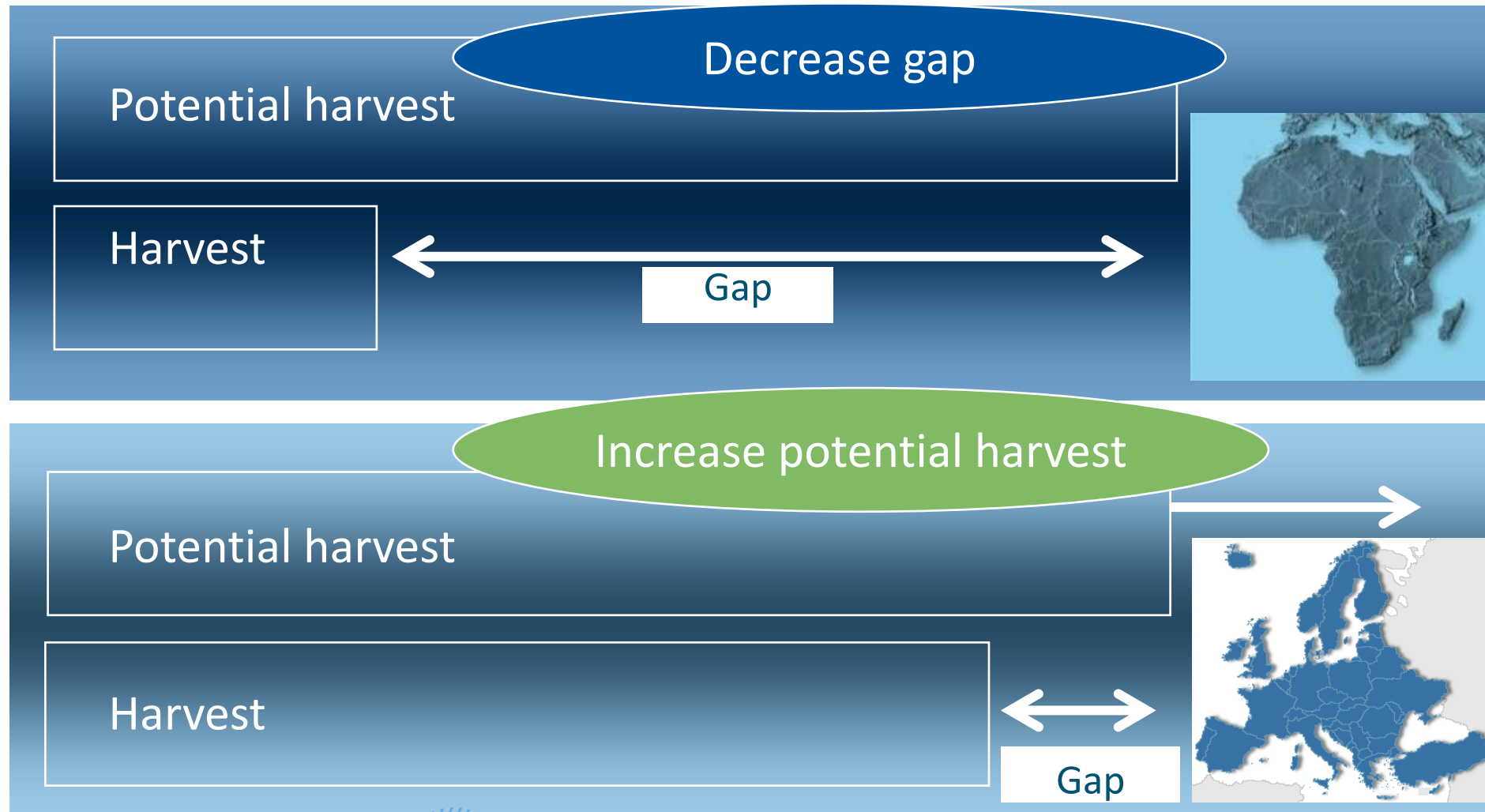
Prevalence of undernourishment (FAO data)



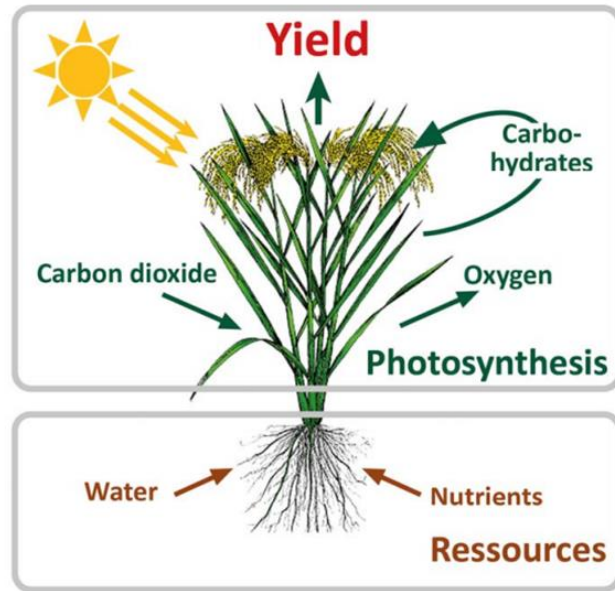
Increase yields



Food production: differentiated strategies



Photosynthesis: key to harvest improvement



- Higher food yields
- Production of more nutritious foods
- Optimisation of carbon assimilation for the biobased economy
- Capture and storage of more carbon dioxide to mitigate climate change



The entire world runs on photosynthesis



- Our daily food
- Construction
- Heating
- Fossil fuels
 - Fuels
 - Chemical
 - Feedstock

Photosynthesis 2.0

PHOTOSYNTHESIS 2.0



Plant Power
for the Future

UK

- Queen Mary University of London
- Imperial College London
- University of Leeds
- University of Essex
- Lancaster University
- University of Nottingham
- University of Cambridge
- James Hutton Institute

Denmark

- University of Copenhagen

Sweden

- Umeå University
- Uppsala University

Finland

- University of Turku

Lithuania

- Vilnius University

Estonia

- Estonian University of Life Sciences

The Netherlands

- Wageningen UR
- VU University Amsterdam

Belgium

- University of Liege
- VIB

France

- CEA Cadarache
- CEA Saclay
- CEA Grenoble
- INRA Montpellier
- Institut de Biologie Physico-Chimique - CNRS
- Station Biologique de Roscoff - CNRS
- ACTA

Portugal

- Universidade nova de Lisboa

Spain

- Universidad de les Illes Balears
- Universitat Autònoma de Barcelona
- CREAM
- CSIC

Italy

- CNR
- University of Verona
- ENEA
- CREA
- Politecnico di Milano
- ITT
- University of Padua

Switzerland

- ETH Zurich
- University of Zurich
- University of Neuchatel
- University of Lausanne

Czech Republic

- University of South Bohemia
- CEITEC
- ELI-Beamlines

Hungary

- Biological Research Centre
- ELI-ALPS

Israel

- Hebrew University of Jerusalem

52 Academic institutions
From 17 EU member states
or associated states



#100726628



Plants by design: towards a bio-society

We welcome partners; business,
government, research & society

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