

Horizon 2020 – Societal Challenge 2 „Bioeconomy“ Opportunities for Malaysian Organisations

Dr. Rolf Stratmann – Webinar, 21. October 2015

What are the Framework Programmes?

The „**Framework Programmes of the European Community for research, technological development and demonstration activities**“ are the measure of the EU to support science and technology at the European level.

Aims (as specified in the EU-Treaty):

strengthening the scientific and technological bases of the EU

- achieving a European research area
 - researchers can move freely
 - scientific knowledge and technology circulate freely
- **Enhancing competitiveness of the EU including its industries**
- Support for research needs of other policies (health, developmental, agricultural.....)

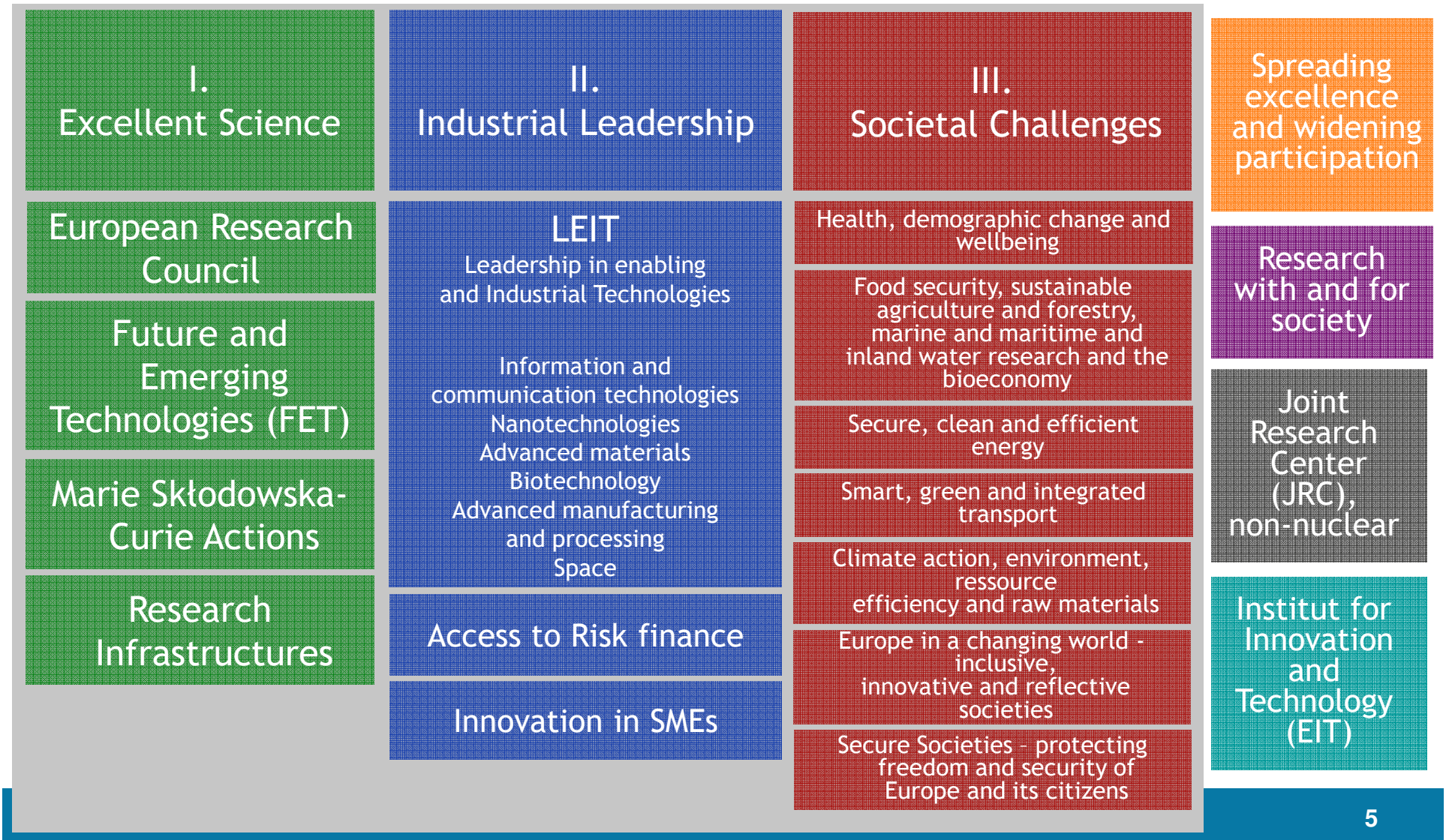
Trends in Horizon 2020

- Stronger **focus on innovation**
- **Broad understanding of innovation:** not only development of new products and services but also **non-technical** and **social innovation**
- Focus on activities, **close to the end user and the market** like **demonstration, pilots** *proof-of-concept*
- Implementation through **grants, prizes, procurement and financial instruments**
- **Bottom-up approaches** and **open, light and fast schemes** possible in all parts of the programm
- Stronger synergies with **public-public partnerships**, and **national and regional programmes...**
- Combination of funding through Horizon 2020 and private funding in **public-private partnerships** (z.B. JTIs)
- **Externalisation** (e.g. **PPPs** (eg. JTIs) or **P2Ps** (eg. JPIs))

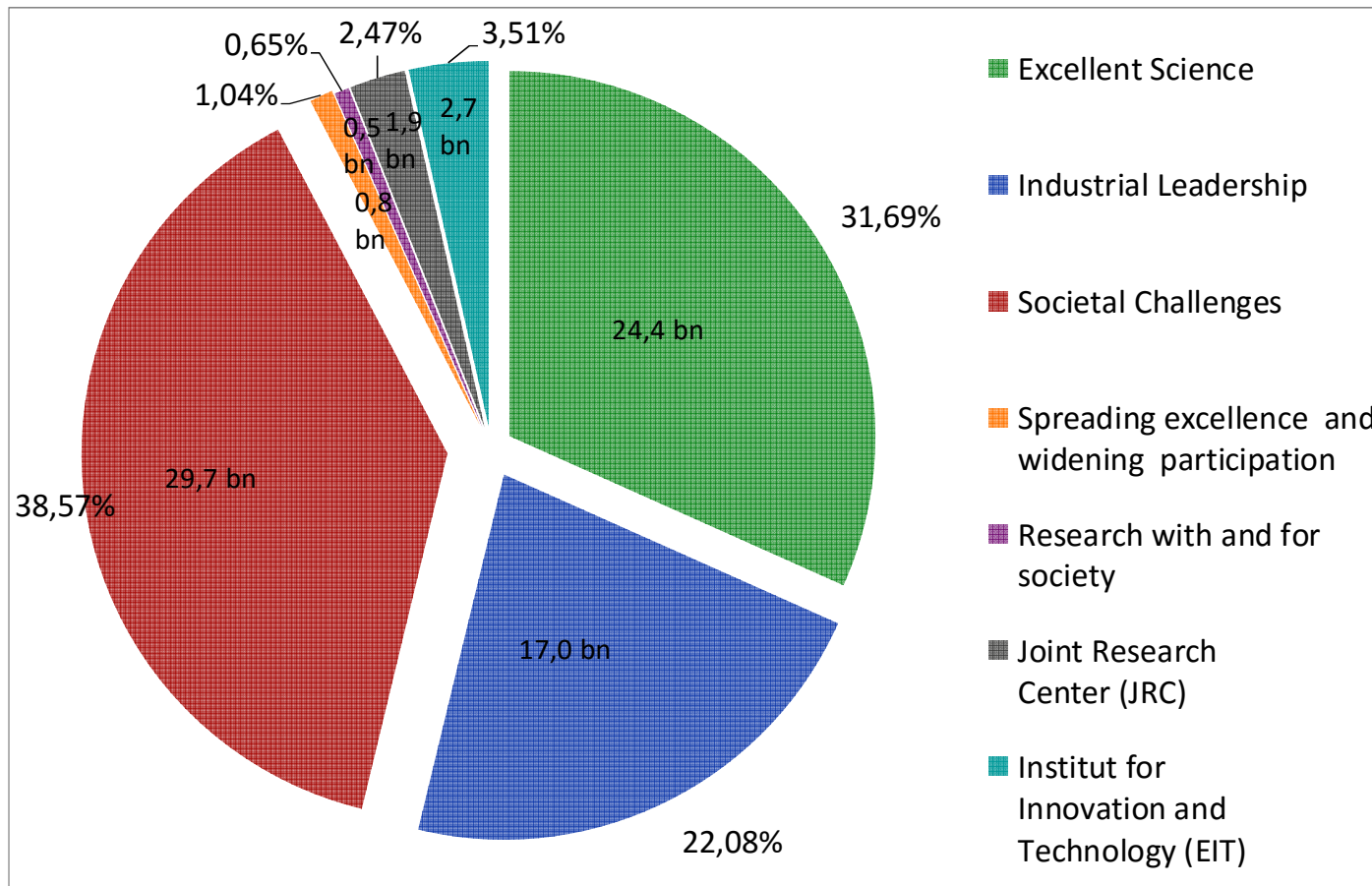
International Cooperation in Horizon 2020

- International Cooperation will continue
- General openness to third countries
- 3 Target Groups:
 - (1) industrialised and emerging economies;
 - (2) enlargement and neighbourhood countries; and
 - (3) developing countries.
- actions that take a strategic approach to
- international cooperation on the basis of common interest, priorities and mutual benefit and promoting coordination and synergies with Member States activities (supporting joint calls, co-funding programmes together with third countries or international organisations).

Horizon 2020 – Structure



Total budget of Horizon 2020



Rules of Participation – minimum number of partners

In general:

3

at least 3 independent legal entities from
3 different EU Member States (MS)
or **associated states (AS)**

1

Exception:

- ERC
- Marie Skłodowska-Curie Actions
- SME instrument
- CSA
- Explicitely mentioned in work programme

Countries eligible to receive funding

treated
equally

28 EU Member States (MS)

Associated/candidate states (AS):
pay into Horizon 2020
(CH), IL, IS, NO, TR, AL, BA, MD, ME, MK, RS, FO

Joint Research Center (JRC)

Third Countries

High-income countries incl. BRIC+Mexico(+CH)
Only exceptionally or when mentioned in WP

Third countries with low or medium income
(listed in Annex A of WP)

Eligible for
funding
by EU



Eligible Organisations

Every legal entity, e.g.:

universities

research institutes

industry (incl. SME)

management- and tt-organisations

**others, e.g. agencies, associations,
patient organisations, etc.**

European Economic Interest Groups

Reimbursement of costs

direct eligible costs

personnel costs

material costs

travel costs

subcontracts

project specific costs

VAT

open access costs

ineligible costs

customs duty

exchange rate loss

debts

costs in other projects

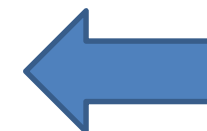
inappropriate costs

Sustainable Food Security: More resilient and resource-efficient value chains

Topic	Instrument
SFS-01-2016: Solutions to multiple and combined stresses in crop production	RIA
SFS-02-2016: Teaming up for good: Exploiting the benefits of species diversity in cropping systems	RIA
SFS-03-2016: Testing and breeding for sustainability and resilience in crops	RIA
SFS-06-2016: Weeding - strategies, tools and technologies for sustainable weed management	RIA
SFS-07-2016-2017: Organic breeding – Increasing the competitiveness of the organic breeding and farming sectors	RIA
SFS-09-2016: Spotlight on critical outbreak of pests: the case of <i>Xylella fastidiosa</i>	RIA
SFS-11-2016: Challenges for disease management: Perennial crops in the tropics and sub-tropics	RIA
SFS-12-2016: Support for international research on animal health	CSA
SFS-14-2016: Understanding host-pathogen-environment interactions	RIA
SFS-15-2016-2017: Breeding livestock for resilience and efficiency	RIA

Sustainable Food Security: More resilient and resource-efficient value chains

Topic	Instrument
SFS-16-2017: Bee health and sustainable pollination	RIA
SFS-18-2016: Framework Partnership Agreement supporting Joint Actions towards Public-Public Partnerships in the Bioeconomy .	FPA
SFS-19-2016: ERA-NET Cofund: Public-Public Partnerships in the bioeconomy	ERA-NET COFUND
SFS-21-2016/2017: Advancing basic biological knowledge and improving management tools for commercially important fish and other seafood species	RIA
SFS-23-2016: Improving the technical performance of the Mediterranean aquaculture	RIA
SFS-24-2016: Reinforcing international cooperation on sustainable aquaculture production with countries from South-East Asia	CSA
SFS-25-2016: Support Action to a common agricultural and wider bioeconomy research agenda	CSA



Sustainable Food Security: Environment-smart and climate-smart primary production

Topic	Instrument
SFS-26-2016: Legumes - transition paths to sustainable legume-based farming systems and agri-feed and food chains	RIA
SFS-31-2016: Farming for tomorrow - developing an enabling environment for resilient and sustainable agricultural systems	RIA

Sustainable Food Security: A competitive food industry

Topic	Instrument
SFS-33-2016: Understanding food value chain and network dynamics	RIA

Sustainable Food Security: Healthy and safe foods and diets for all

Topic	Instrument
SFS-37-2016: The impact of consumer practices in food safety: risks and mitigation strategies	RIA
SFS-38-2016: Impulsivity and compulsivity and the link with nutrition, lifestyle and the socio-economic environment	RIA

Workprogramm 2016/2017 SC2 - SFS

Sustainable Food Security: Support to the Implementation of the EU-Africa Partnership on Food and Nutrition Security and Sustainable Agriculture

Topic	Instrument
SFS-41-2016: EU-Africa Research and Innovation partnership on food and nutrition security and sustainable agriculture	ERA-NET COFUND
SFS-42-2016: Promoting food and nutrition security and sustainable agriculture in Africa: the role of innovation	RIA

Sustainable Food Security: Implementation of the EU-China FAB Flagship initiative

Topic	Instrument
SFS-44-2016: A joint plant breeding programme to decrease the EU's and China's dependency on protein imports	RIA
SFS-45-2016: Increase overall transparency of processed agri-food products	RIA

Workprogramm 2016/2017 SC2 - BG

Blue Growth: Boosting Innovation for emerging Blue Growth activities

Topic	Instrument
BG-01-2016: Large-scale algae biomass integrated biorefineries	IA
BG-02-2016/2017: High value-added specialised vessel concepts enabling more efficient servicing of emerging coastal and offshore activities	IA
BG-03-2016: Multi-use of the oceans' marine space, offshore and near-shore: compatibility, regulations, environmental and legal issues	CSA
BG-05-2016: ERA-NET Cofund on marine technologies	ERA-NET COFUND

Blue Growth: Linking healthy oceans and seas with healthy people

Topic	Instrument
No Topics 2016	na

Workprogramm 2016/2017 SC2 - BG

Blue Growth: The Arctic Dimension

Topic	Instrument
BG-09-2016: An integrated Arctic observation system	RIA
BG-10-2016: Impact of Arctic changes on the weather and climate of the Northern Hemisphere	RIA

Blue Growth: Valorising the Mediterranean Sea Basin

Topic	Instrument
BG-12-2016: Towards an integrated Mediterranean Sea Observing System	RIA
BG-13-2016: Support to the BLUEMED Initiative: Coordination of marine and maritime research and innovation activities in the Mediterranean	CSA

Workprogramm 2016/2017 SC2 - RR

Rural Renaissance: New approaches towards policies and governance

Topic	Instrument
RUR-01-2016: Consolidated policy framework and governance models for synergies in rural-urban linkages	RIA
RUR-04-2016: Water farms – improving farming and its impact on the supply of drinking water	RIA

Rural Renaissance: New value chains and business models

Topic	Instrument
RUR-06-2016: Crop diversification systems for the delivery of food, feed, industrial products and ecosystems services - from farm benefits to value-chain organisation	RIA
RUR-07-2016: Resource-efficient and profitable industrial crops on marginal land	RIA
RUR-08-2016: Demonstration of integrated logistics centres for food and non-food applications	IA

Workprogramm 2016/2017 SC2 - RR

Rural Renaissance: Innovation and skill development

Topic	Instrument
RUR-10-2016-2017: Thematic Networks compiling knowledge ready for practice	CSA
RUR-11-2016: On-farm demonstrations: deepening farmer-to-farmer learning mechanisms	CSA
RUR-14-2016: Advisors' roles in the functioning of AKIS and advisory policies boosting innovation in sustainable agriculture	RIA

Workprogramm 2016/2017 SC2 - BB

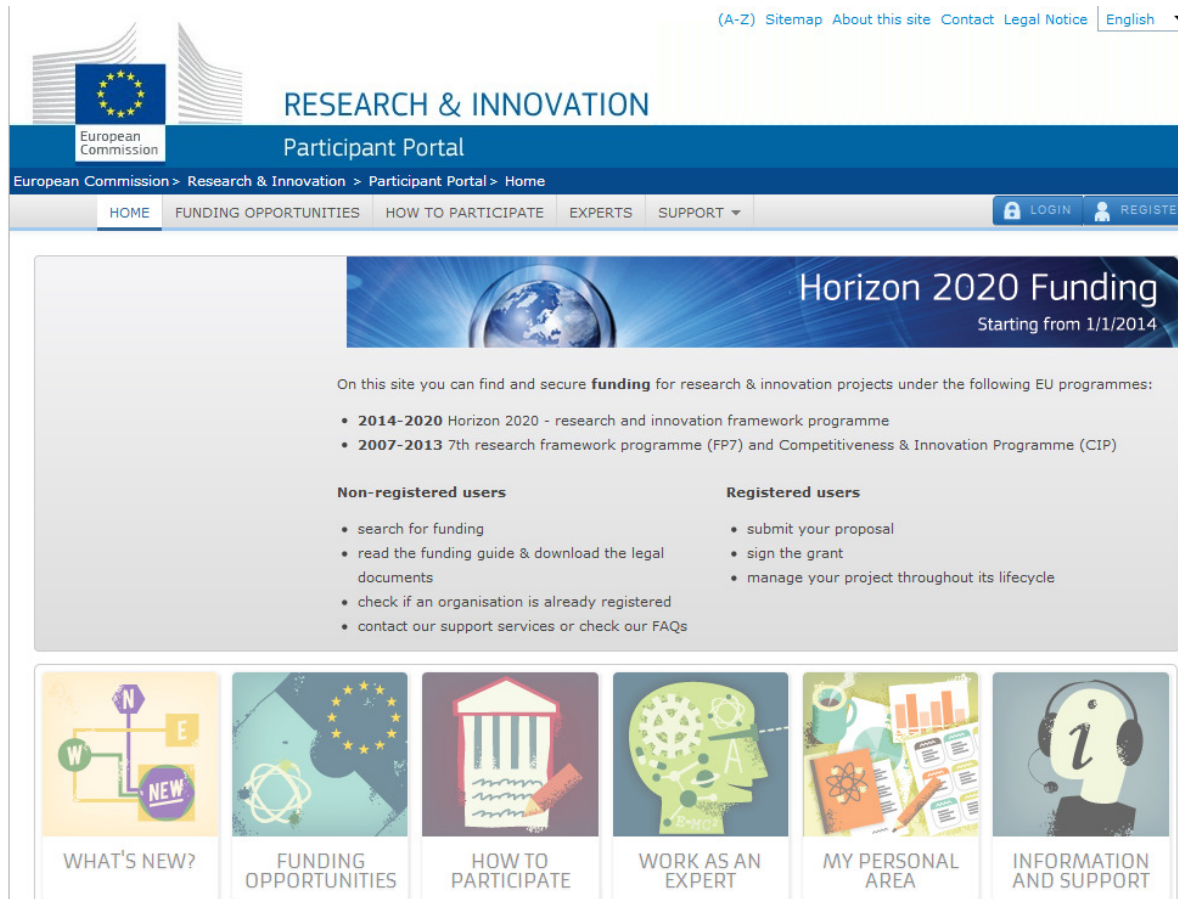
Bio-based innovation for sustainable goods and services: Securing sustainable biomass supply for bio-based goods and services

Topic	Instrument
BB-01-2016: Sustainability schemes for the bio-based economy	RIA
BB-04-2016: Intelligent solutions and tools in forest production systems, fostering a sustainable supply of quality wood for the growing bioeconomy	IA

Bio-based innovation for sustainable goods and services: Building the "bio-based markets of the future"- mobilising stakeholders engagement

Topic	Instrument
BB-06-2016: The regional dimension of bio-based industries	CSA

Where to find call & documents?



The screenshot shows the 'RESEARCH & INNOVATION Participant Portal' website. At the top, there are navigation links: (A-Z) Sitemap About this site Contact Legal Notice English. The main header features the European Commission logo and the text 'RESEARCH & INNOVATION Participant Portal'. Below this is a breadcrumb trail: European Commission > Research & Innovation > Participant Portal > Home. A navigation bar includes links for HOME, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, EXPERTS, and SUPPORT, along with LOGIN and REGISTER buttons. The main content area is titled 'Horizon 2020 Funding Starting from 1/1/2014'. It contains a list of EU programmes: 2014-2020 Horizon 2020 - research and innovation framework programme, and 2007-2013 7th research framework programme (FP7) and Competitiveness & Innovation Programme (CIP). Below this, there are two columns: 'Non-registered users' and 'Registered users'. The 'Non-registered users' column lists: search for funding, read the funding guide & download the legal documents, check if an organisation is already registered, and contact our support services or check our FAQs. The 'Registered users' column lists: submit your proposal, sign the grant, and manage your project throughout its lifecycle. At the bottom, there are six icons representing different sections: WHAT'S NEW?, FUNDING OPPORTUNITIES, HOW TO PARTICIPATE, WORK AS AN EXPERT, MY PERSONAL AREA, and INFORMATION AND SUPPORT.

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-food_en.pdf

Thank you for your attention!

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