

SOCIETAL CHALLENGE 2 :
Food security,
Sustainable Agriculture & Forestry,
Marine, Maritime & inland Water Research
and the Bioeconomy



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Kyiv, 8th of April 2019

GENERAL REMINDERS, HORIZON 2020

Funding instruments based on calls for proposals

- Selection of projects by **competition** between proposals responding to **calls**
- Everybody can participate
- Evaluations by independent experts (3 criteria...)
- Procedure in 2 stages for the "big" projects (RIA and IA), only 1 stage for smaller ones (CSA...)
- A new cascading approach in HORIZON 2020
 - ① a **specific programme** published by the EC to implement H2020 (7 years),
 - ② a **strategic programme** (reflections on priorities... for 2+... years)
 - ③ a **workprogramme** (**CALLS** for 2 years...), published every year.



The funding instruments

- Research & Innovation Actions (**RIA**) – (TRL* up to 5)
 - Collaborative Research ; at least 3 partners from 3 different MS or AC ; overall min. 20% of budget for SMEs
 - Funding **100%** for academic and SMEs ; Indirect costs : **25%** of direct costs
- Innovation Actions (**IA**) – (TRL* 6 to 8...)
 - Funding **70%** for commercial (profit) partners ; 100% for academic **and SMEs** ;
 - Indirect costs : **25%** of eligible direct costs
- Coordination & Support Actions
 - 100% funding (mostly "institutional" partners)
- ERA-NET Cofund - (Public-Public Partnerships...)

Funding rates / HORIZON 2020

	Research & Innovation RIA	Innovation IA
Public or governmental administration (local, regional or national), Research groups at universities, Research institutions	100% eligible costs	100% eligible costs
SME	100% eligible costs	70% eligible costs
Big Companies	100% eligible costs	70% eligible costs

MULTI ACTOR APPROACH

- Innovation projects responding to a societal demand,
- Necessity to involve all competent and relevant actors on a specific topic or thematic from the conception of the project until transfer and dissemination activities,
- Complementarity and synergy in terms of competencies for those actors working in the same discipline or topic (Research, Experiment, Advise, Transfer),
- Necessity to improve knowledge exchange between all these actors,
- Objective to succeed in practical and operational solutions applicable by end-users and widely disseminated.

ADVICES AND TIPS FOR TOPIC READING AND PROPOSAL WRITING

First questions

- Project **objective** ?
- **Innovative** nature ?
- **Strategy & impact** ?
- Why the **European dimension** ?
- Required **skills** ?
- **Means & actions** to implement ?

European dimension

- **Innovative nature that goes beyond the state-of-the-art**
- **European partnership approach - Multi-actors and complementarity**
- **Competitive impact, market**
- **Sharing results**

« An **innovative** project with a **European dimension** more adapted to EU funds than national or regional funds »

Identifying the right call and the right topic

- Select the best call
 - Participant portal :*
<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>
 - Ask for help (contact the NCP network)*
- Read carefully the work programme
 - Topic*
 - Type of project (Funding scheme)*
- Verify the eligibility

How to read a topic

Title: SFS-13-2015: Biological contamination of crops and the food chain

Content

Specific challenge: The occurrence of biological contamination in various crops is of major concern as it has major implications for food and feed safety, food security and international trade. Worldwide, it is estimated that mycotoxins are responsible for losses of up to 5-10% of crop production. Contaminations are due to a series of events including weather conditions, possible climate change effects, land use, crop management and varieties as well as harvest and post-harvest techniques. Integrated approaches rather than isolated solutions are required to effectively control the incidence of mycotoxins in crops and reduce contamination throughout the feed and food chains.

Scope: Proposals should aim at reducing the risk of mycotoxin contamination in crops and all along the feed and food chains. They should bring about technical, management and organisational solutions (including HACCP techniques) that are effective at the various stages of production as well as at pre- and post-harvest levels and also deal with the safe use of contaminated batches. Proposals should take into account the development of ICT solutions as well as reliable and cost effective control tools to policy-proposed solutions. Proposals should benefit conventional and organic supply chains and fall under the concept of 'multi-actor approach'³⁴ and allow for adequate involvement of the farming sector in proposed activities. In line with the objectives of the EU strategy for international cooperation in research and innovation and in particular with the implementation of the EU-China dialogue, proposals are encouraged to include third country participants, especially those established in China³⁵.

The Commission considers that proposals requesting a contribution from the EU in the range of EUR 3–5 million would allow this specific challenge to be addressed appropriately. Nonetheless, this does not preclude submission and selection of proposals requesting other amounts.

Expected impact

- a toolkit (plant resources, management tools, technologies) to effectively monitor and reduce the incidence of mycotoxin contaminants in crop production as well as in the food and feed supply chains.
- contribution to legislation and standard setting
- safe use options for contaminated batches
- reduced occurrence of mycotoxin contamination in crops in order to improve productivity and competitiveness of European agriculture and food sectors.
- reduced risks for human and animal health, and thus increase consumer confidence in agro-food products.

Type of action: Research and innovation actions

Impact

- Impact at different levels:
Society, well-being, etc.
Employment, markets,
contribution to EU policies ...
- Plan for the dissemination and exploitation of results – business plan
- Value-added at EU level

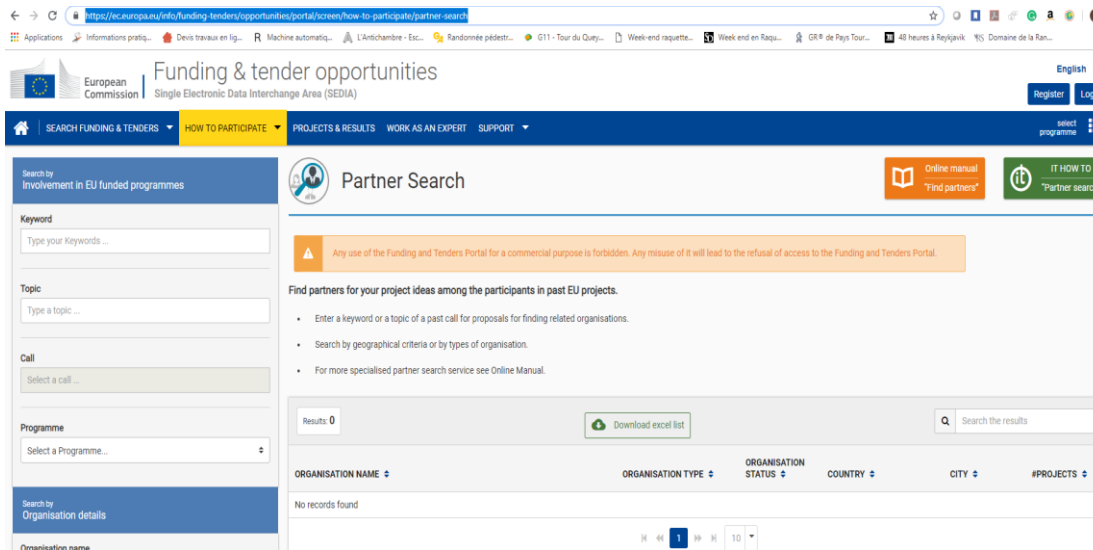
Building a consortium

- Which partners?
(industries, federations, Researchers, professors, ...)
- How to find partners:
Partner search tool of the EC, info days, contact persons, data bases
- Size of the consortium
Adapting it to the type of project & budget
- Complementarity
Role & contribution of each partner

Partner search

- Online partner search tool:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/partner-search>



The screenshot shows the 'Partner Search' interface on the European Commission's Funding & tender opportunities portal. The page has a blue header with the European Commission logo and navigation links. The main content area is titled 'Partner Search' and includes a search bar, filters, and a results table.

Search filters:

- Keyword:** Type your Keywords ...
- Topic:** Type a topic ...
- Call:** Select a call ...
- Programme:** Select a Programme ...

Search results:

Results: 0

Download excel list

Search the results

ORGANISATION NAME	ORGANISATION TYPE	ORGANISATION STATUS	COUNTRY	CITY	#PROJECTS
No records found					

- BIOHORIZON BROKERAGE EVENT: 3rd of July 2019 in Brussels

Preview: <https://youtu.be/sb7oY7W8Jx8>

Further tips (1/2)

- Choose a good coordinator
- Establish a good communication between the consortium partners
- Be aware of the time (which is always limited) and start as soon as possible
- Be aware of the large time effort for proposal writing
- Start early with the partner search
- Develop a time table, partners should commit to this time table
- Early contact to organisations and persons who can support you

Further tips (2/2)

- Take enough time to read and analyse Call text and further documents
- Use templates and respect given formatting from the EC
- Organise a meeting with all project partners for scientific and financial discussions and proposal writing
- Proposals have to be written in English – find a native speaker who can proofread the documents
- „Commitment“ of partners to scientific content
- If necessary, request a Letter of Commitment / Non-disclosure agreement from partners

PREVIEW OF THE 2020 CALLS (STILL BEING DRAFTED)

WP 2020 : 501,37 Mio€ (vs 491,86 p. 2019)

4 calls (evaluated in 1 or 2 steps) :

- Sustainable Food Security (**SFS**) : **155,00 Mio€** (vs 293,10 p. 2019)
- Blue Growth (**BG**) : **51,00 Mio€** (vs 89,00)
- Rural Renaissance (**RUR**) : **78,00 Mio€** (vs 84,5)
- Food & Natural resources (**FNR**) : **200,00 Mio€** (**New!**)

2 of the 3 “virtual focus areas”:

Low Carbon and Climate Resilience (**LC**)

Circular Economy (**CE**)

Opening : 15 October 2019

Closure: 1st step: 22 January 2020

2nd step: 08 September 2020



1

Call Sustainable Food Security (SFS):

- *WP 2020* : 14 topics*
- *155,00 M€ (vs 293,10 M€ pour 2019)*

Four action lines:

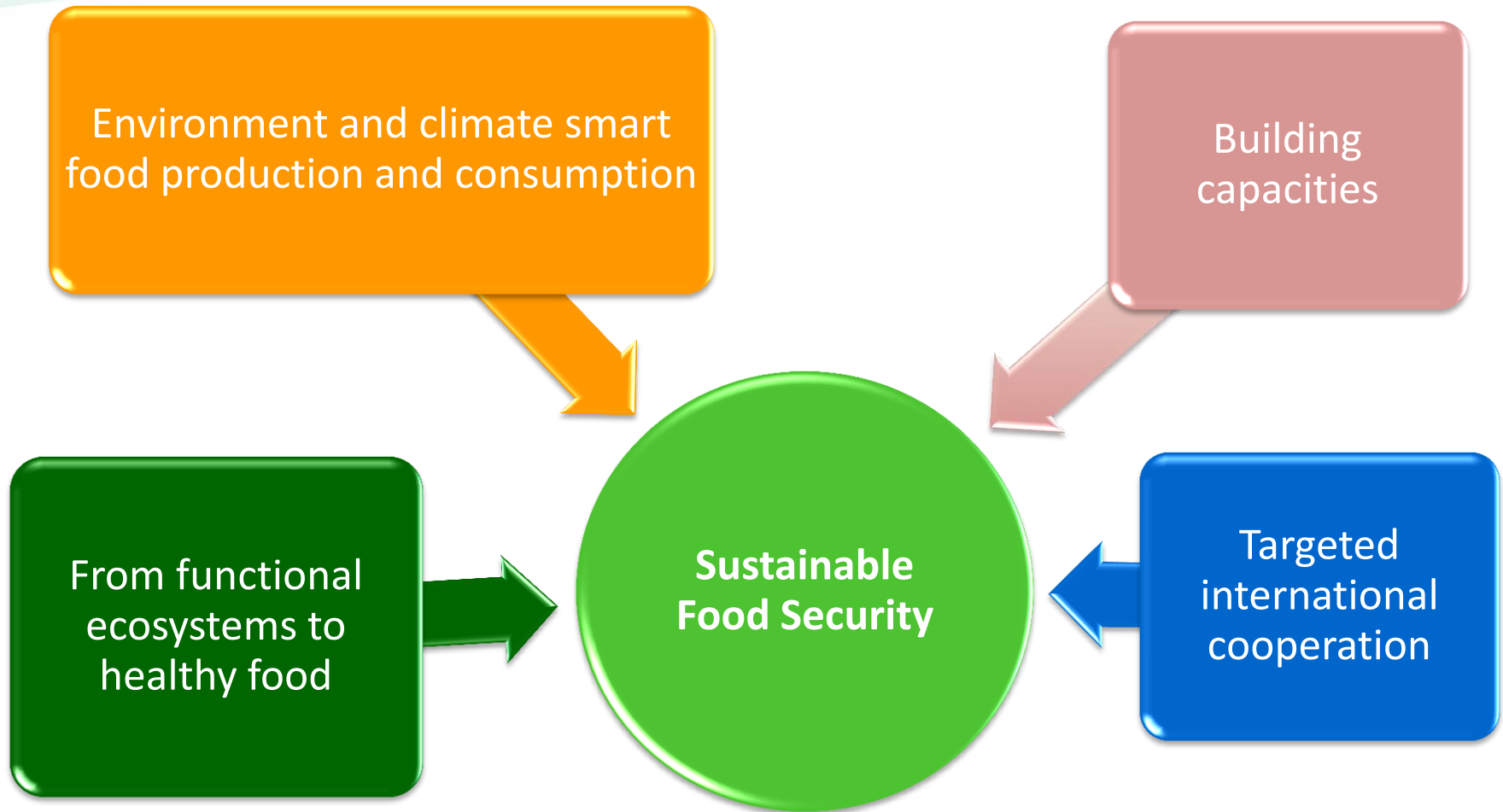
- Deliver diverse and healthy food from land and sea,
- Increase resource efficiency and environmental performance of food systems from primary production to consumers,
- Understand the impact of climate change on agriculture, resources, food quality and identify options to manage its effects,
- Reduce greenhouse gas emissions and emissions of air pollutants from land use and food production taking into account main drivers such as inputs and consumption patterns.

Opening to International Cooperation:

- Support to the implementation of the EU-Africa Partnership on Food and Nutrition Security and Sustainable Agriculture,
- Implementation of the EU-China FAB Flagship initiative.

Support to policy priorities of UE:

- Food security, preservation of resources, soils, biodiversity, environment...
- EIP-AGRI « Productive and Sustainable Agriculture »
- CAP, PCP, Health policy & consumers



Keywords for 2020 (SFS)

Biodiversity

Alternative
pesticides

Soil
management

Genetic
resources

Cooperation
with Africa

2

Call Blue Growth (BG) *Croissance Bleue*

- WP 2020* : 3 topics
- **51,00 M€** (vs 89 for 2019)

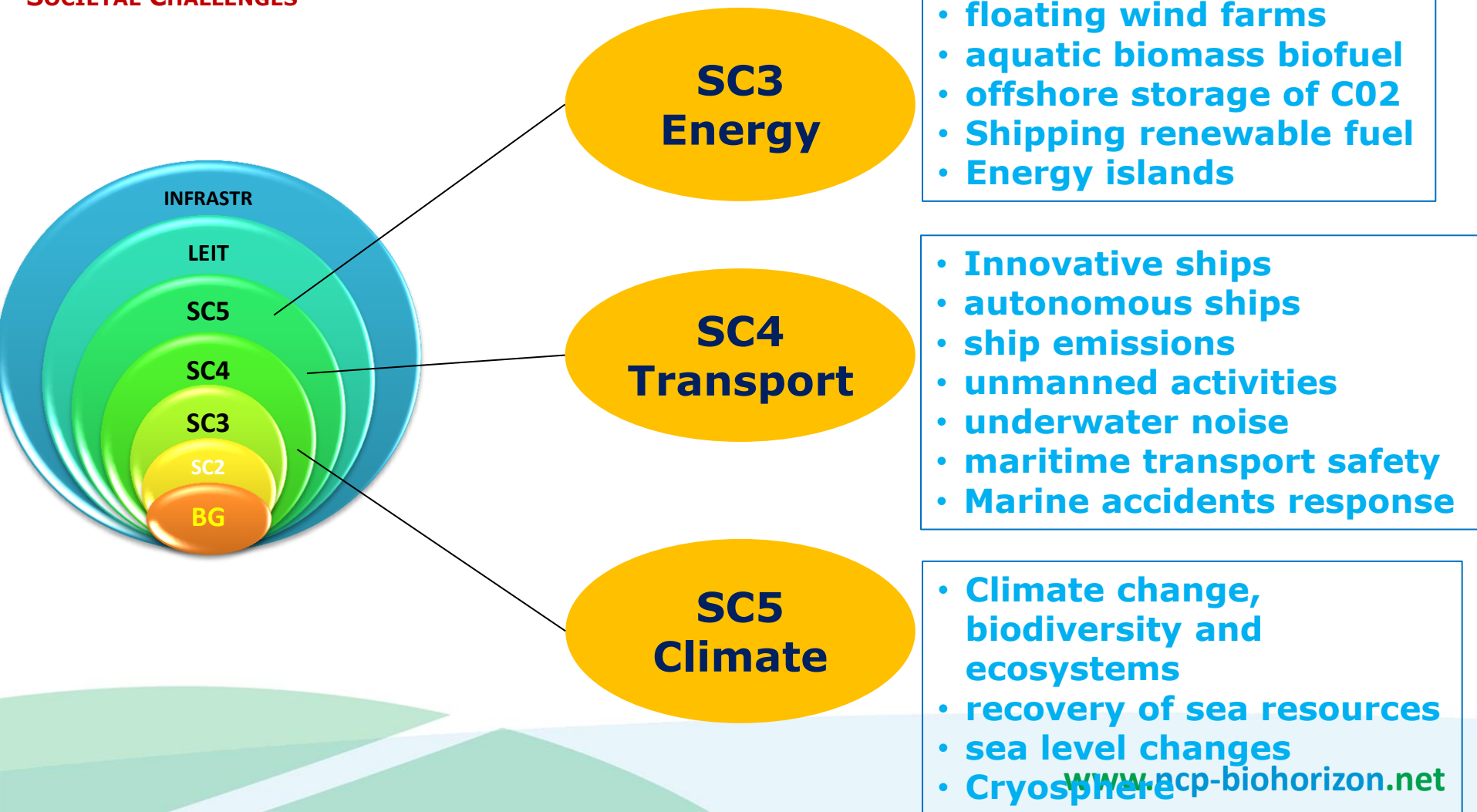
Action lines:

- Improving our integrated knowledge about the reciprocal **impact of climate change on marine ecosystems and biological resources** in order to effectively manage their response, mitigation and resilience capacities,
- **Preserving and sustainably exploiting** marine and coastal ecosystems, and biological resources to deliver **improved nutrition and health**,
- De-risking major investments and boosting blue innovations on land and at sea to **develop new bio-based marine value chains** and open up new markets,
- Developing smart and connected territories between land and sea,
- Strengthening the international research and innovation cooperation around seas and oceans, to promote a globally sustainable blue economy.

Black Sea

Sustainable
fisheries

SOCIETAL CHALLENGES



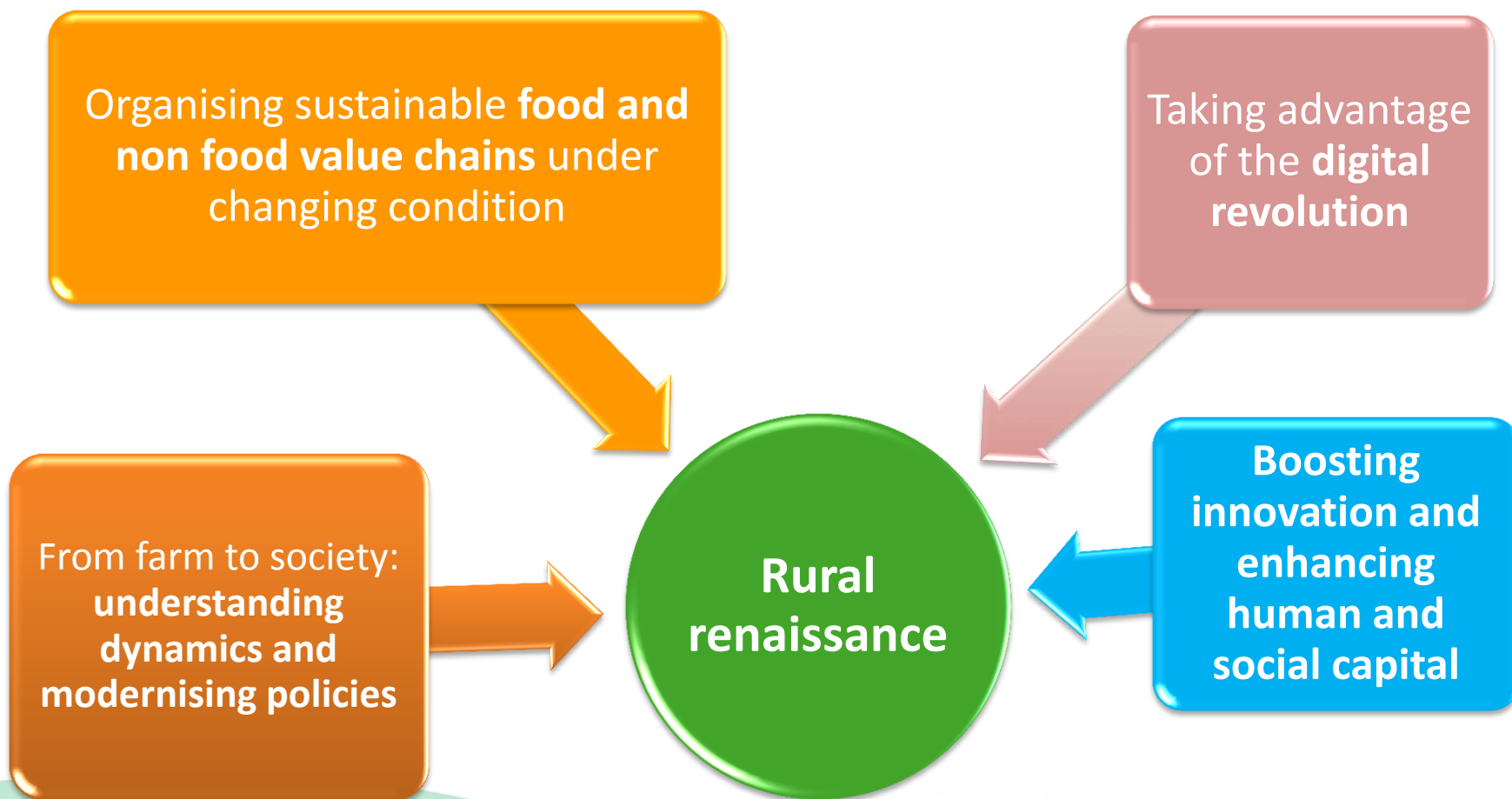
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Call Rural Renaissance (RUR)

Renaissance rurale

- WP 2020 * : 7 topics
- 78,00 M€ (vs 84,5 M€ for 2019)

2018/2020 RUR Call structure



Keywords for 2020 (RUR)

Short food
chains

Reduction of
waste and
food losses

Thematic
networks

4

Call Food & Natural Resources (FNR)

- New in WP 2020* : 18 topics
- 200,00 M€

Action lines:

- Sustainably manage and use natural resources from land and sea,
- Ensure food and nutrition security, providing safe, healthy and nutritious diets,
- Accelerate the transition from a fossil-based linear economy to a low emission, low-carbon circular economy and sustainable bio-based economy

Keywords for 2020 (FNR)

Urban
agriculture

Empowering
cities

Future of
agriculture

Future of
food systems

Textiles

EVENTS TO COME AND BIOHORIZON SUPPORTING LINKS

Important events (save the date)

In Brussels:

- **3rd of July 2019:** BioHorizon SC2 and KET-Bio brokerage event
- **4th of July 2019:** EC infodays on the 2020 calls, official display of the 2020 topics

Important links for support

- **BioHorizon website:** <https://www.ncp-biohorizon.net>
- **BioHorizon's Practical Guide for SC2 applicants:** https://www.ncp-biohorizon.net/lw_resource/datapool/items/item_119/societal_challenge_2_practical_guide_aug_2018.pdf