

SCAR FOOD SYSTEMS Strategic Working Group,

Qualitative mapping of Food and Nutrition Security relevant policies in EU Member States and Associated Countries

Dear Members,

The main rationale for the SCAR FOOD SYSTEMS Strategic Working Group – (SCAR FOOD SYSTEMS SWG) is that the SCAR member states provide strategic advice and support to the EU Research & Innovation (R&I) policy framework FOOD 2030¹ as well as to the review of the Bioeconomy Strategy in which food plays a central role given the 'food comes first' principle.

The Terms of Reference (ToR) for this SWG, was endorsed at the SCAR Plenary of 6 December 2016. The ToR mentions that the main task in 2017 is to "provide strategic intelligence (EU 28) including the mapping of R&I funding done at National and regional level related to Food Systems and provide insight into the type of existing policies and strategies that are linked to Food and Nutrition security and the priorities of FOOD 2030".

The expected delivery date for qualitative mapping is end April 2017.

This task is further complemented by a quantitative mapping of R&I public funding at EU Member State and Associated Country level (expected delivery June 2017). This task has started with four pilot countries.

Thank you very much for your involvement.

With my best regards,

Monique Axelos ,

Chair of the SCAR Food Systems SWG

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http://ec.europa.eu/research/conferences/2016/food2030/pdf/food2030_conference_background.pdf#view=fit&page mode=none

SCAR FOOD SYSTEMS SWG

Qualitative mapping questionnaire

Participating country in SCAR FOOD SYSTEMS SWG's:	ITALY
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Date of submission of questionnaire:	15/05/2017; update 08/11/2018 <i>the provided information is not exhaustive and can be subject to change</i>

Please submit the questionnaire below to the chair of the SCAR FOOD SYSTEMS SWG:

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PART 1 – FNS related policy:

1. List the relevant national/regional policies or strategies that are relevant to ensuring food and nutrition security (e.g.: agriculture, health, food safety, climate, fisheries, etc).

A. Web link to the policies/strategies:

Ministry of Agricultural, Food, Forestry and Tourism policies: Food production

Piano strategico per l'Innovazione e la ricerca nel settore agricolo, alimentare e forestale (2014-2020)
<https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/9065>

National Plan for Fishery and aquaculture (2017-2019)

<https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/10758>

National Production chains Plans (coordination Mipaaf)

<http://www.pianidisetto.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/115>

Ministry of Health: Food safety within the National Integrated Program of controls:

http://www.salute.gov.it/portale/temi/p2_4.jsp?lingua=italiano&area=PNI

http://www.salute.gov.it/portale/documentazione/p6_2_2_1.jsp?lingua=italiano&id=2274

Ministry of economic development (MISE): Industry 4.0 Plan

http://www.mise.gov.it/images/stories/documenti/2017_01_16-Industria_40_English.pdf

National Programs

- Fruit and Vegetables in Schools <http://www.fruttanellescuole.gov.it/>, coordination Mipaaf
- National Plan "Industry 4.0" (Piano Nazionale "Industria 4.0"), coordination MISE <http://www.mise.gov.it/index.php/it/industria40> in the plan areas dedicated to:
- AGRIFOOD 4.0: innovation in the production systems and Smart Agri-food- digitalization in agriculture, and health <http://www.internet4things.it/smart-agrifood/page/4/>

National Platform

- Technological platform National CLUSTER AGRI-FOOD (CLAN) <http://www.clusteragrifood.it/it/>
- Technological platform National CLUSTER GREEN CHEMISTRY (SPRING) <http://www.clusterspring.it/>
- Italian Technological platform on organic farming http://www.ptbioitalia.it/index.php?option=com_content&view=article&id=67&Itemid=64

Regional Policies

- Smart Specialization Strategy (S3) <https://www.researchitaly.it/smart-specialisation-strategy/> (MISE-MIUR)
- Rural development network (Mipaaf-Regions) <http://www.reterurale.it>

National Services

- Services for Agro-industry CSAgri (Centro Servizi Avanzati per l'Agro-Industria) <http://www.enea.it/it/comunicare-la-ricerca/documenti/le-proposte/CSAGRIDEF.pdf> (ENEA)
- ISMEA services for the agri-food markets (Institute for services for the agricultural and food markets) <http://www.ismea.it/istituto-di-servizi-per-il-mercato-agricolo-alimentare>

Infrastructure

METROFOOD – Infrastructure for promoting metrology in food and nutrition
<http://www.metrofood.eu/> (ENEA, MISE)

Tools

- FCS
http://www.sviluppoeconomico.gov.it/images/stories/normativa/decreto_ministeriale_1_giugno_2016_horizon_2020.pdf
http://www.sviluppoeconomico.gov.it/images/stories/normativa/decreto_ministeriale_1_giugno_2016_grandi_progetti_PON.pdf
- SNSI-National strategy on smart specialization: area Health, diet and lifestyle quality. Funds not defined yet.
- Structural funds: governance of regional programs defined by each region
<http://www.reterurale.it/flex/cm/pages/ServeBLOB.php/L/EN/IDPagina/3490>

B. What issues do each of them cover?

Agriculture- fishery

Food systems

Diet -Nutrition- Healthy behaviour

Smart Specialization Strategy on Agro-food systems, environment & climate

C. Which institutional actors are responsible for each policy/strategy?

Ministries

Ministry of Agricultural, Food, Forestry and Tourism policies

<https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/202>

Ministry of Economic Development

<http://www.sviluppoeconomico.gov.it/index.php/it/>

Ministry of Education, University and Research

<http://www.istruzione.it/>

Ministry of Health

<http://www.salute.gov.it/>

Ministry of Environment

<http://www.minambiente.it/>

Governmental National Research Institutes

CREA - Council for Agricultural Research and Economics: (www.crea.gov.it) **Agri-Food, Nutrition, Consumers, Policies**

AGRI-FOOD PRODUCTION

- Cereal and Industrial Crops
- Arboreal Cultivation
- Defense and Certification
- Forestry and Wood
- Genomics and Bioinformatics
- Engineering and Transformations food and agriculture
- Horticulture and Floriculture
- Viticulture and Enology
- Livestock and Aquaculture

NUTRITION

- Food and Nutrition

PRODUCERS, CONSUMERS, POLICIES

- Politics and Bio-economics

CNR – National Research Council (<https://www.cnr.it/it/dipartimenti>)

- Bio-agro-food Science
- Hearth and environment
- Biomedical sciences

ENEA – Italian National Agency for New Technologies, Energy and Sustainable Economic Development (www.enea.it)

- Energy, environment and climate
- Food systems sustainability and waste management
<http://www.enea.it/en/research-development/new-technologies/sustainable-development-and-innovation-of-the-agro-industrial-system>
<http://www.enea.it/en/news/fighting-food-waste-from-enea-a-decalogue-of-good-practices>

ISS - National Institute of Health (www.iss.it)

- Department of Veterinary Public Health and Food Safety
- Department of Technology and health

ISPRA – National Institute for Environmental Research (<http://www.isprambiente.gov.it/it>) projects on:

- Climate
- Biodiversity
- Marine environment

D. Are these policies/strategies focussed on your country only, on Europe or do they target International cooperation and development?

These policies and strategies align with the main EU and International Initiatives (UN, FAO, G20, WHO). Based on the focus of national strategies and policies Italy participates in the main EU and International Initiatives dealing with R&I and transfer of knowledge in food systems to align programmes and interventions:

European Programs

- Fruit and Vegetables in Schools as part of EU DG Agri School fruit, vegetable and milk scheme <http://www.fruttanellescienze.gov.it/>
- National Rural Network as part of the European Network on Rural Development ENRD <https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/382>
- Eu-Menu program (European Food Safety Authority <https://www.efsa.europa.eu/en/data/food-consumption-data>: The IV Study on Food Consumption in Italy (IV SCAI) <http://nut.entecra.it/>

European Technological Platforms

- TP Organic <http://tporganics.eu/>
- FFL-Food For Life <http://etp.fooddrinkeurope.eu/> (Federalimentare)
- KIC Foodbest http://foodplatform.au.dk/fileadmin/foodplatform.au.dk/About_Foodbest_-_KIC.pdf
- S3 - Smart Specialization Platform <http://s3platform.jrc.ec.europa.eu/home>

Joint Programming Initiatives

- **FACCE JPI** Agriculture, food security and climate change (MIUR-Mipaaf) <https://www.faccejpi.com/>
- **JPI HDHL** A healthy diet for a Healthy Life (MIUR-Min. HEALTH, Mipaaf) <http://www.healthydietforhealthylife.eu/index.php>
- **JPI OCEANS** JPI Healthy and Productive Seas and Oceans (Min. Infrastructure and transport, CNR) <http://www.jpi-oceans.eu/about>

CSA – Coordinated and Support Action

- PRIMA Partnership for Research and Innovation in the Mediterranean Area <http://www.prima4med.org/>
At the beginning of this year, the PRIMA Consortium prepared a Partnership, named 4PRIMA, which was recently granted a Coordination and Support Action (CSA)

- Fit4Food2030 <https://fit4food2030.eu/>: IT participates in the Policy Labs (MIUR-Mipaaf) and City Labs (Milano)
https://fit4food2030.eu/wp-content/uploads/2018/02/food2030_report_conference_2017.pdf

ERA-NETs and ERA-NETs Cofunds in SC2

All those dealing with food production and transformation, diet and health, see PLATFORM list:
<http://era-platform.eu/p2p-networks/platform-db/>

Sustainable Food Systems (SFS) Programme [10YFP] (FAO, ENEA, CREA)

<http://www.scpclearinghouse.org/sustainable-food-system/1st-global-conference-10yfp-sustainable-food-systems-programme>

International Task Forces

International task force on sustainable diets and production and consumption models in the Mediterranean Area <http://www.fao.org/3/a-i4358e.pdf> (FAO, ENEA, CIHEAM)

Global Research Alliance on agricultural greenhouse gases <http://globalresearchalliance.org/>

OECD Trade and Agriculture Directorate (Mipaaf) <http://www.oecd.org/tad/>;

<http://www.oecd.org/tad/agricultural-policies/innovation-food-agriculture.htm>; Cooperative Research

Program on Biological Resources in Agriculture <http://www.oecd.org/tad/crp/>; Food Chain Analysis network (FCAN) <http://www.oecd.org/site/agrfcn/>

- E. Do any of these policies/strategies contain an R&I focus? If yes, describe.

Overall, all the above mentioned initiatives. Research and Innovation are recognised as core instrument for

- Increase the SPEED and QUALITY of INNOVATION
- Focus, align and COLLABORATE between stakeholders
- Optimise KNOWLEDGE CAPTURE and DISSEMINATION of knowledge towards SME's
- Adapt and incorporate MODERN PRODUCTION PHILOSOPHIES to deals with the market change.

- F. Are there any new relevant national/regional policies or strategies being currently developed that are relevant to ensuring food and nutrition security? If yes, describe.

Overall, all the above mentioned initiatives. The differences between each other is in the degree of direct link/impact; some are focused on FNS, other involve measures/interventions with an indirect impact on the sector.

PART 2 – Bioeconomy Strategy

2. Does your country have a national Bioeconomy Strategy?

Italy has adopted in 2017 a national Bioeconomy Strategy “BIT la Bioeconomia in Italia” agreed between the Government Presidency, 6 ministries, the Agency for the Territorial Cohesion and the two technological clusters green chemistry (SPRING) and agri-food (CLAN) .

A. If yes, what does it cover?

It covers:

Sustainable Agriculture and forestry

Sustainable agri-food industry for a safe and healthy diet

Biobased industries

Aquatic bioresources (marine-aquaculture) and marine and maritime bioeconomy

Cross cutting measurements

B. Does it have a food related pillar? If yes, describe.

Three pillars related to food, see above

C. Weblink to the Bioeconomy strategy:

http://www.agenziacoesione.gov.it/opencms/export/sites/dps/it/documentazione/S3/Bioeconomy/BIT_v4_ENG_LUGLIO_2017.pdf

D. If there is no Bioeconomy Strategy yet, is there one being developed at the moment?

PART 3 – Research and Innovation Policy and Programming

3. List specific national/regional R&I policies/strategies/funding programmes relevant to food and nutrition security (e.g.: agriculture, health, food safety; climate, fisheries, etc).

A. Weblink to the R&I policies/strategies/funding programmes:

National Research Plan (MIUR)

http://www.istruzione.it/allegati/2014/PNR_online_21feb14.pdf

Research and Innovation Plan (Mipapaf)

<https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/9065>

National Plan "Industry 4.0" (MISE)

<http://www.mise.gov.it/index.php/it/industria40>

in the plan areas dedicated to innovation in the production systems (AGRIFOOD 4.0) and Smart Agri-food-digitalization in agriculture, and health <http://www.internet4things.it/smart-agrifood/page/4/>

More information is included into former European reports (and scientific publications) on national food policy

www.dedipac.eu DEDIPAC Report on policy monitoring and evaluation based on literature search and rapid review

www.eatwellproject.eu EATWELL - Results of a review of policy actions - analysis evaluations

[http://www.european-](http://www.european-nutrition.org/index.php/news/news_post/european_nutrition_and_health_report_enhr_2009)

[nutrition.org/index.php/news/news_post/european_nutrition_and_health_report_enhr_2009](http://www.european-nutrition.org/index.php/news/news_post/european_nutrition_and_health_report_enhr_2009) ENHR II – European Nutrition and Health Report 2009 – Food & Nutrition Policy

B. What FNS relevant issues do each of them cover?

Themes like sustainability of the food production chains from farm to fork, food safety, food consumer behaviour and healthy diets, are included as actions to enhance the quality of life. Major actions indicated by the European Commission are highlighted (diet & health, food security & climate change)

C. Which institutional actors are responsible for each R&I policy/strategy/funding programmes?

See above and Part 1

D. Who does what and how do these actors cooperate?

Inter-ministerial round tables, production chains tables and national and regional agro-industry and research institutions clusters are common platforms were the different stakeholder involved in the foods system cooperate

E. Are these R&I policies/strategies focussed on your country only, on Europe or do they also target RI & for international cooperation and development?

See Part 1 D

F. Are there any new specific national/regional R&I policies/strategies/funding programmes being currently developed that are relevant to ensuring food and nutrition security? If yes, describe.

<https://www.politicheagricole.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/9065> R&I strategy in agrifood systems

http://www.agenziacoesione.gov.it/opencms/export/sites/dps/it/documentazione/S3/Bioeconomy/BIT_v4_ENG_LUGLIO_2017.pdf Bioeconomy strategy

<http://www.pianetapsr.it/flex/cm/pages/ServeBLOB.php/L/IT/IDPagina/1> Regional Rural Development Plans

http://www.salute.gov.it/portale/temi/p2_4.jsp?lingua=italiano&area=PNI Food safety national plan