

# SCAR-CASA Workshop WP 3 T3.1

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# WP 3 T3.1 SWOT

- Task 3.1: Assess the state of play of research and innovation policy in the broader Bioeconomy area: preparatory work
- Workshop in Bonn 9<sup>th</sup> and 10<sup>th</sup> March 2017

# Purpose of this Workshop

- SWOT: Assess the state of play of research and innovation policy in the broader Bioeconomy area
  - 3 Sessions
  - Working on the SWOT concept
  - Not performing the SWOT itself
- Defining 'Impact' in the framework of SCAR
- Discussion on key factors of involvement and representativeness

# Who was invited?

- All SCAR groups
  - Members of SCAR Steering Group
  - Experts for SWOT Analysis
  - CASA partners
  - EC
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- All SCAR groups except for Fish and a representative from the EC attended

# Workshop 9<sup>th</sup> and 10<sup>th</sup> March 2017, Bonn

Role	Name
Arch	Siegfried Harrer
FOREST	Martin Greimel
Bioeconomy/WP5	Stefan Rauschen
Food Systems	Monique Axelos
Animal Welfare	Romano Zilli
SWOT expert	José Matos
SWOT expert	Anne Vehviläinen
Foresight	Elke Saggau
Foresight	Stefano Bisoffi
CASA WP5/coordination	Rolf Stratmann
CASA WP 3 + AKIS	Kevin Heanue
CASA WP 1	Dorri te Boekhorst
CASA WP 3	Serenella Puliga
CASA WP 3 + AKIS	Simona Cristiano
CASA WP 3	Vera Steinberg
CASA WP 3	Sylvia Burssens
CASA WP2	Vivi Nielsen
CASA WP4	Valérie Dehaut
CASA WP2	Alex Percy-Smith
CASA WP 5/coordination	Hanna Steffens
CASA WP 3	Stefano Grandò
CASA WP 2	Pierre Grenier

# Agenda Day 1

Time	Item	Moderator
12.00-12.30h	Welcome Coffee, Snacks and Registration	
12.30-12.45h	Opening Welcome Organisational Issues	Elke SAGGAU Rolf STRATMANN Vera STEINBERG
12.45-13.30h	Short introduction to SWOT Overview of received input Expectations for the Workshop	Vera STEINBERG
13.30-14.30h	Session one: discussion on SWOT concept	Vera STEINBERG
14.30-14.50h	Coffee Break	
14.50-16.20h	Session two: discussion on SWOT concept	Vera STEINBERG
16.20-16.30h	Short Break for fresh air	
16.30-17.15h	SCAR Foresight process	Elke SAGGAU
17.15-17.30h	Wrap up Day 1	Vera STEINBERG
19.00h	Social Dinner	Sudhaus

# Wrap up of Day 1 – What we did!

- Overview/Introduction to SWOT

# Overview of Bioeconomy Policy in G7, incl. the EU

Member	Name of Strategy	Main Actors	Key Funding Areas
Canada	Growing Forward	Ministry of Agriculture	R&D on renewable resources and biobased materials, Bioenergy
EU	Innovating for Sustainable Growth	DG Science, Research, Innovation	Research & Innovation (Horizon 2020), Public-Private-Partnerships
France	bundle of BE-relevant policies	Ministry for Ecology, Ministry for Research	Bioenergy, green chemicals, clusters, circular economy
Germany	1. Research Strategy BE 2. Policy Strategy BE	1. Ministry for Research 2. Ministry for Agriculture	R&D on food security, sustainable agriculture, healthy nutrition, industrial processes, bioenergy
Great Britain	bundle of BE-relevant policies	Parliament, Depts: Energy & Climate, Environment, Transport, Business	Bioenergy, agri-science and -technology
Italy	no specific BE policy	-	Participation in EU programmes
Japan	Biomass Utilization and Ind. Strategies	Cabinet, National Biomass Policy Council	Research & innovation, circular economy, regional development
United States	1. Bioeconomy Blueprint 2. Farm Bill	1. White House 2. USDA	1. Life Sciences (Biomedicine) 2. Agriculture (multiple areas)

German Bioeconomy Council, 2015



CASA, Support to SCAR



# Short introduction to SWOT

- SWOT analysis is an acronym for **strengths**, **weaknesses**, **opportunities**, and **threats** and is a structured planning method that evaluates those four elements of the project or business venture.

Wikipedia 2017



<http://eflpodblog.com>

# Wrap up of Day 1 – What we did!

- Introduction to SWOT
- Expectations of the Workshop

# Expectations (In Part)

- Develop common vision and approaches: to guide CASA work
- Knowledge exchange
  - On research and innovation policies that already exist
  - On SWGs, CWGs and different fields
- Networking and collaboration: appeal of face-to-face meeting

# Wrap up of Day 1 – What we did!

- Introduction to SWOT
- Expectations of the Workshop
- Target groups: to whom does the R/I policy matter

# To whom does it matter?

- Primary producers/farmers
- Industry
- Policymakers
- Public Research
- Civil Society
- Global Organisations
- Stakeholder associations

# Wrap up of Day 1 – What we did!

- Introduction to SWOT
- Expectations of the Workshop
- Target groups: to whom does the R/I policy matter
- Current state of play of R/I policy

# Current State (In Part)

- Transdisciplinarity
- Job creation
- Standard creation
- Pursuing more sustainable economy, transition from fossil resources
- National R/I policies are highly heterogeneous
- Critique of current R/I policies
  - Lack of coordination/fragmentation/disconnection – no holistic approach (yet)
  - Lack of adequate monitoring

# Wrap up of Day 1 – What we did!

- Introduction to SWOT
- Expectations of the Workshop
- Target groups: to whom does the R/I policy matter
- Current state of play of R/I policy
- Change of perspective: 8 perspectives in total




# Change of Perspectives

Perspective
Farmer/producer
National research funding body
Entrepreneur
Consumer
Venture capital/investor
Researcher
Local authority (e.g. municipal waste)
Regulator

# Change of Perspectives

## **CORE QUESTIONS** asked of personas:

- What does the PERSONA need to make this happen?
- How can bioeconomy research and innovation help?
- Who does the PERSONA need to connect with for this to happen?
- What type of research and innovation is already available to help?

What does the PERSONA need to make this happen?	How can bioeconomy research and innovation help?	Who does the PERSONA need to connect with for this to happen?	What type of research and innovation is already available to help?	How will this impact on other farmers and primary producers?
<ul style="list-style-type: none"> <li>• <b>New knowledge: information of alternative opportunities and how bioeconomy could increase farmer income</b></li> <li>• <b>Support: need for entry point in administration to keep updated on opportunities</b></li> <li>• <b>Advice: technical advice and guidelines that can be adapted per farm</b></li> <li>• <b>Training: peer to peer</b></li> <li>• <b>Finance: fast and cheap credit and seed money for machinery/equipment and small scale biorefining</b></li> <li>• <b>Market: to sell ultimate output</b></li> <li>• <b>Logistics and infrastructure</b></li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge of new technological possibilities, varieties and equipment</li> <li>• R&amp;I could give new solutions to utilising biomass: both as side and main product</li> <li>• Desire for solutions tailored to small scale players (affordable) that also allow continued food production but with added opportunity pathways</li> <li>• Can guide development and provide understandable knowledge and guidelines</li> <li>• Assist with economic assessment and business plan</li> </ul>	<ul style="list-style-type: none"> <li>• Extension services, advisory services and local policymakers</li> <li>• Chambers of agriculture</li> <li>• Consumers: who can provide waste, participate in the solution and find out what they want (market)</li> <li>• Advisors/veterinarians: to influence new research</li> <li>• Investors: so that production can be adapted for creation of SMEs</li> <li>• Connection with research that can actually implement the bioeconomy on farm</li> </ul> <p>More broadly</p> <ul style="list-style-type: none"> <li>• Promote to others that connection with farmers could be profitable – for implementing solution and assessing feasibility</li> </ul>	<ul style="list-style-type: none"> <li>• H2020</li> <li>• Structural Funds</li> <li>• BBI-projects</li> <li>• Operational groups</li> <li>• Focus groups (EIP_AGRI)</li> <li>• National/regional projects</li> </ul> <ul style="list-style-type: none"> <li>• Sense however that farmers may be unaware of R&amp;I available, particularly if involved in small scale production</li> </ul> 	<ul style="list-style-type: none"> <li>• Interest from colleagues but risks in transforming landscape and reducing biodiversity in the name of biomass production</li> <li>• Spread knowledge peer-to-peer to increase production of biomass</li> <li>• Potential for farmers to become involved in research projects to diversify their production and source new income</li> <li>• Potential for pilot farm to showcase demonstration facility</li> </ul>

# Wrap up of Day 1 – What we did!

- Introduction to SWOT
- Expectations of the Workshop
- Target groups: to whom does the R/I policy matter
- Current state of play of R/I policy
- Change of perspective: 8 perspectives in total
- SCAR Foresight Process - presentation

# Agenda Day 2

Time	Item	Moderator
08.45-09.00h	Welcome Coffee	
09.00-09.15h	Summary of Day 1	Vera STEINBERG
09.15-10.15h	Session three: discussion on SWOT concept	Vera STEINBERG
10.15-10.30h	Coffee Break	
10.30-10.45h	Explanation of group work + Find your group	Dorri te BOEKHORST Vera STEINBERG
10.45-11.45h	<u>Parallel session I:</u> Group A) Discussion on key factors of involvement and representativeness	Dorri te BOEKHORST
	Group B) Defining 'Impact' in the framework of SCAR	Vera STEINBERG
11.45-12.00h	Swap groups + fill up your coffee	
12.00-13.00h	<u>Parallel session II:</u> Group A) Defining 'Impact' in the framework of SCAR	Vera STEINBERG
	Group B) Discussion on key factors of involvement and representativeness	Dorri te BOEKHORST
13.00-13.15h	Closing of meeting	Vera STEINBERG
13.15h	Snacks and Good Bye	

# Session three: Poster session - Topics

- How can CASA support SCAR CWG/SWG specifically?
- Are there any documents or papers from your SCAR group which could be useful for the SWOT (using synergies)?
- Who is a possible winner or loser within the bioeconomy?

# Session three: Poster session - Topics

- How can SCAR/CASA help to tackle the identified (during the workshop) threats and obstacles?
- Which research areas within your area has not been considered yet/where do you see research demand?
- What are possible consequences of the full adoption of COP21 and SDG objectives for international, European and National Policies?

# Session three: Poster session - Topics

- Business concentrations are compressing small farmers/businesses (e.g. Bayer buying Monsanto). What are the consequences on farmers' and consumers' freedom?
- Is there anything you missed during the Workshop regarding SWOT?



# Poster Example

**Poster No. 2 Topic: Which research areas within your area has not been considered yet/where do you see research demand?**

Statement	# Sticker	# Sticker
Economic valuing of ecosystem services (employment, companies...); Livestock: Contribution to/need for a healthy diet for the general population (human)	7	1
Better use of manure	0	0
Marketing strategies for new biobased products	3	0
Role of small-scale actors	1	0
Bio-food processing (revising bio regulations at the level of food processing on the basis of scientific work, for reducing costs?)	1	0
Biomass, untapped potential of alternative/industrial crops	0	1
Gene editing for production of new varieties (CRISPR/CROP9)	1	0
Implications of bioeconomy on <u>national</u> , European <u>and</u> international level	3	0
Alternatives to antibiotic/antimicrobial use in farming	1	0
Social sciences on the impact of consumers on the systems – they are drivers for change but how?	4	0

What are possible COP21 and SDG objectives?

Business concentrations are compressing small farmers'/businesses (e.g. Bayer buying Monsanto)

What are the consequences on farmers' and consumers' freedom?

Expanded choice for consumers

Need to ask for more transparency

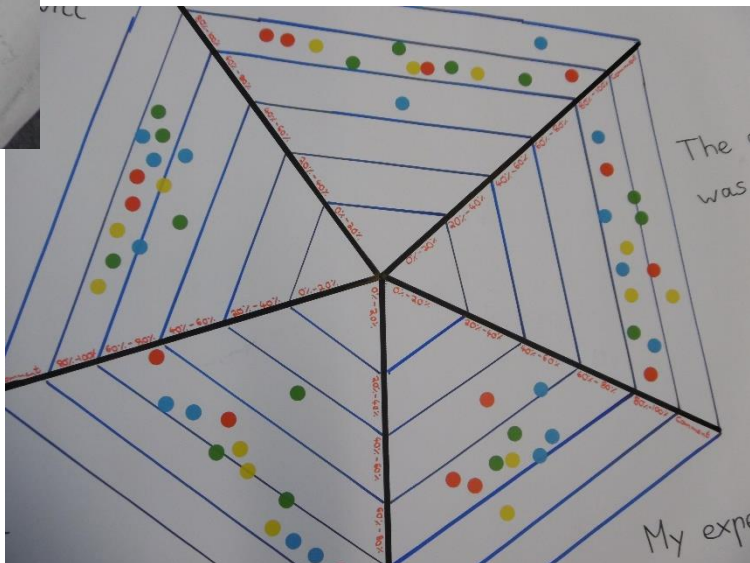
Need to include alternative ways for more generative / new products development (Local food etc.)

Policy should support INCLUSIVENESS AND MULTICATEGORICALITY (diff. categories)

Regulatory framework

alternatives in such agriculture

businesses can be more active at the level in such alternatives in such agriculture



# SWOT Analysis – Next steps

- Task 3.2: Assess the state of play of research and innovation policy in the broader Bioeconomy area: Assessment and SWOT analysis
- Expected outcomes (currently):
  - A detailed overview of the **state of play and a gap analysis within the broader Bioeconomy and adjacent research policies**, the delivery mechanisms applied and the state of their implementation, the actors involved and the national and regional financial and human capacities.

# SWOT Analysis – Next steps

- Suggested „minor“ changes to Task 3.2
- Focus on research and innovation policies only. (instead of the broader bioeconomy).
- It will build on already available documents, for example the BE-assessment of the regions
- Replacement of SWOT of the broader bioeconomy by adding SWOT addressing SCAR, its structures and its impact

# SWOT Analysis – Next steps

## Before

- SWOT provides **picture of EU bioeconomy strengths and weaknesses** and adjacent research policies, the delivery mechanisms applied and the state of their implementation, the actors involved and the national and regional financial and human capacities.

# SWOT Analysis – Next steps

## After

- Limit SWOT to provide picture of EU **bioeconomy research and innovation policy landscape** and **adjacent research policies only**, the delivery mechanisms applied and the state of their implementation, the actors involved and the national and regional financial and human capacities.
- **SWOT about SCAR, its structures and impact;** replacement of former deliverable (D3.2 in the Proposal).

# SWOT Analysis – Next steps

- The new direction of the SWOT is currently under discussion
- Communication will follow via the SCAR Steering Group



**THANK YOU**  
For your attention

**Vera Steinberg**

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