

Welcome to JRC's bounCE4ward launch seminar

General info:

- The meeting will begin at **9h30** sharp
- Please **mute your microphone** and **switch off your video**. You can switch on your microphone and camera when given the floor and you should mute yourself and switch off your camera again after finishing to speak.
- **After the opening remarks and presentations** by JRC, we will open the floor for discussions.
- Please note that the meeting will not be livestreamed or recorded for later distribution.



Agenda

- **9h15:** Log in time/ connection try out
- **9h30:** Welcome and introduction by Jutta Thielen- Del Pozo (Head of Unit – Scientific Development Unit, JRC) and Carmen Mena Abela (Head of Unit – Circular Economy and Industrial Leadership Unit, JRC)
- **9h35:** Introduction by Mikel Landabaso Alvarez (Director - Growth and Innovation Directorate, JRC)
- **9h40:** Virtual tour de table + Presentation by Hans Saveyn (Project Officer - Circular Economy and Industrial Leadership Unit, JRC): background, objectives, timeline of the project, organisation of the panel discussions
- **10h10:** Panel discussion on Question 1: in which sectors can the Circular Economy provide resilience and strategic autonomy?
- **10h50:** Break
- **11h00:** Panel discussion on Question 2: how circular are the EU's economic sectors and what is the potential for more circularity?
- **11h40:** Panel discussion on Question 3: what actions are most urgently needed to make the EU economy more resilient through more circularity?
- **12h20:** Wrap up and conclusions by JRC



bounCE4ward

**Circular Economy: a recipe
for more strategic autonomy?**

European Commission- Joint Research Centre (JRC)

Webinar, Thursday 22 April 2021

Hans Saveyn



JRC Mission

As the science and knowledge service of the European Commission our mission is to support EU policies with **independent evidence** throughout the whole policy cycle.

JRC sites

Headquarters in **Brussels**
and research facilities located
in **5 Member States**:

- Belgium (Geel)
- Germany (Karlsruhe)
- Italy (Ispra)
- The Netherlands (Petten)
- Spain (Seville)
- **Unit JRC B5: Circular Economy & Industrial Leadership**



JRC Unit B5: Circular Economy & Industrial Leadership

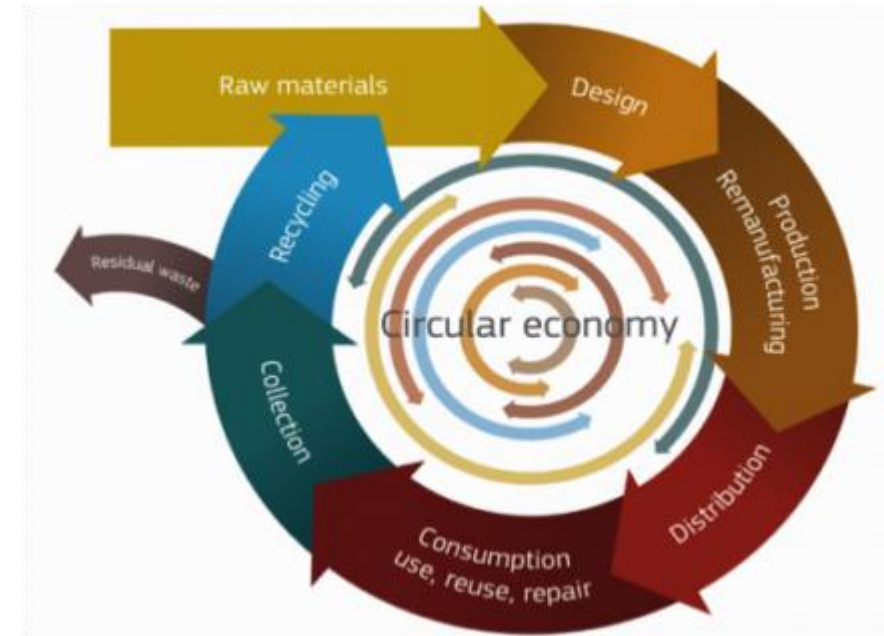


Introduction: what is a circular economy?

- Looking beyond the current take-make-waste extractive industrial model, a circular economy aims to redefine growth, focusing on positive society-wide benefits. It entails gradually **decoupling economic activity from the consumption of finite resources**, and **designing waste out** of the system. Underpinned by a transition to renewable energy sources, the circular model builds economic, natural, and social capital. It is based on three principles:

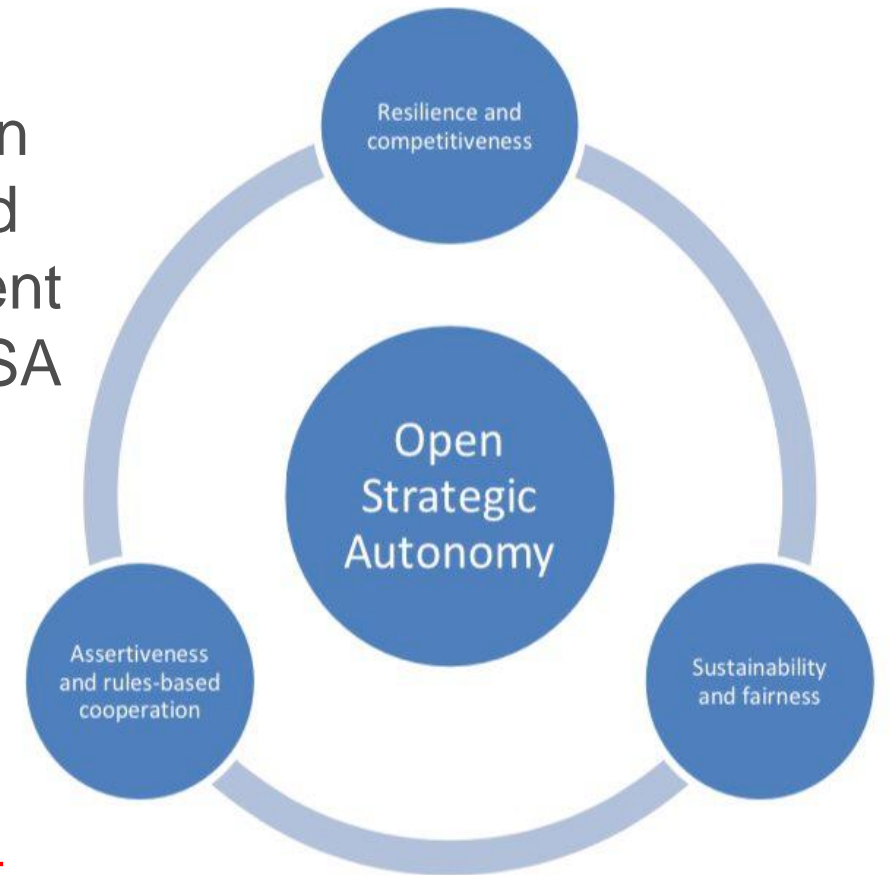
- Design out waste and pollution**
- Keep** products and materials **in use**
- Regenerate natural systems**

Source: EllenMacArthur Foundation



Introduction: what is open strategic autonomy?

- The concept of Open Strategic Autonomy (OSA) reflects the EU's desire to chart its own course on the global stage, shaping the world around us through leadership and engagement while preserving our interests and values. OSA foresees making the best possible use of the opportunities of our openness and global engagement, while assertively defending our interests, both internally and externally.
- In essence, the EU will continue to work with partners to advance this positive agenda, but will work autonomously when it must.



Source: European Commission

Background of the research project

- COVID-19 exposed the EU **vulnerability** to sudden **shocks** in global supply chains
- **European Green Deal** + **NextGenerationEU** focus on green transition and recovery
- The **Circular Economy Action Plan 2.0** (CEAP 2.0) is a key element of the European Green Deal
- We believe that a circular economy, with less waste and fewer resource use, will not only help achieve climate ambitions but can also make EU **more resilient** against supply chain shocks

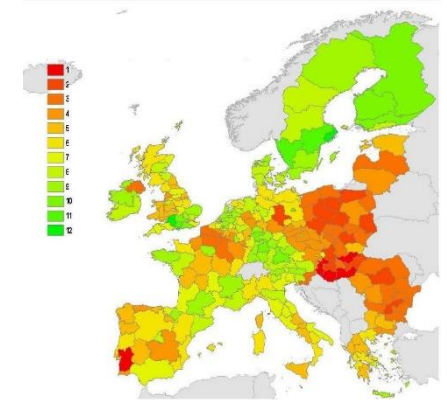


Objectives of the study

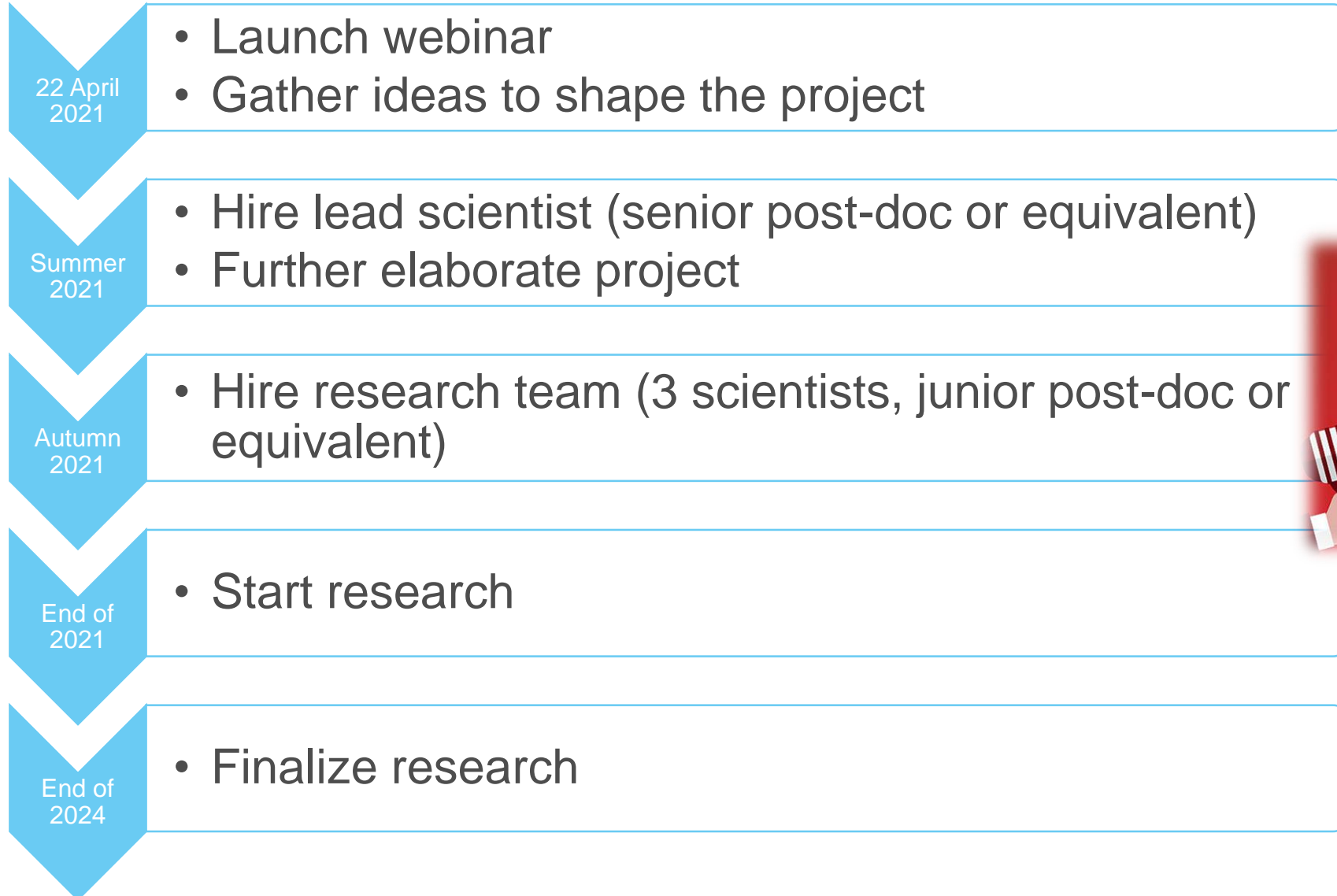
1. Investigate **to what extent** the Circular Economy can **provide resilience** and **open strategic autonomy**, i.e. determine for which **sectors** a circular economy is most relevant
2. Determine **how circular** the EU economy already is and what the **potential** is for more circularity
3. Determine what **actions** are most urgently needed to achieve the goal of more resilience through circular economy

What's the change for JRC's Science for Policy work?

- In policy-oriented research, we need not only include “as expected” forecasts, but also “**black swan**” events
- We have to **redefine urgencies and priorities**: e.g. introduce new monitoring instruments for mapping of re-manufacturing and repairability scarcity at regional level
- We need to introduce **new policy goals and supporting measures**, e.g. creating a single market for secondary raw materials through harmonisation and digitalisation of waste management at EU level



Timeline



Interested?- follow our work!

<https://ec.europa.eu/jrc/en/research/centre-advanced-studies>

The screenshot shows the EU Science Hub website. At the top, there is a search bar and the logo of the European Commission. The main navigation bar includes links for Home, About Us, Research, Knowledge, Working With Us, Procurement, News & Events, and Our Communities. The page is titled "Centre for Advanced Studies" and features a sidebar with a menu for "Research" including Science areas, Research topics, Centre for Advanced Studies (highlighted), Laboratories & facilities, and Crosscutting activities. The main content area describes the JRC's Centre for Advanced Studies (CAS) and lists related publications and events.

EU SCIENCE HUB
The European Commission's science and knowledge service

European Commission > EU Science Hub > Research > Centre advanced studies

Home About Us Research Knowledge Working With Us Procurement News & Events Our Communities

Research

- Science areas
- Research topics
- Centre for Advanced Studies**
- Laboratories & facilities
- Crosscutting activities

Centre for Advanced Studies

The JRC's Centre for Advanced Studies (CAS) aims to enhance the JRC's capabilities to better understand and address complex and long-term societal challenges facing the EU.

- In brief
- CAS projects
 - Current projects
 - Past projects
- Megatrends series
- Contact

In brief

CAS establishes strategic contacts with leading scientists and institutions. Together, JRC and external scientists, research in areas that could become relevant for policy making in the coming 3 to 5 years.

This close relationship provides access to exceptional research capacity and knowledge. The results of this collaboration forms part of the JRC's knowledge base.

In particular, CAS

- brings together JRC and external scientists and researchers in a single unit

Related Publications

- Digitranscope: The governance of digitally-transformed society
Centre for Advanced Studies
- Dynamic Industry-specific Lexicon Generation for Stock Market Forecast
- Child-Robot Collaborative Problem-solving and the Importance of Child's Voluntary Interaction: A Developmental Perspective
- Using the GDEL dataset to analyse the Italian sovereign bond market

[More >](#)

Events

- APR 22 2021** Online (EU) Brainstorming seminar on Circular Economy: launch of bounCE4ward



Panel discussions

Interactive sessions: how to formulate ideas

- JRC will share a link to a Sli.do poll via the slides and chat box for each Panel Discussion → copy the link in your browser
- You can write your idea in the “Type your question” area
- Type your idea & write your name in the dedicated area underneath, so that we can give you the floor afterwards, and click “SEND”

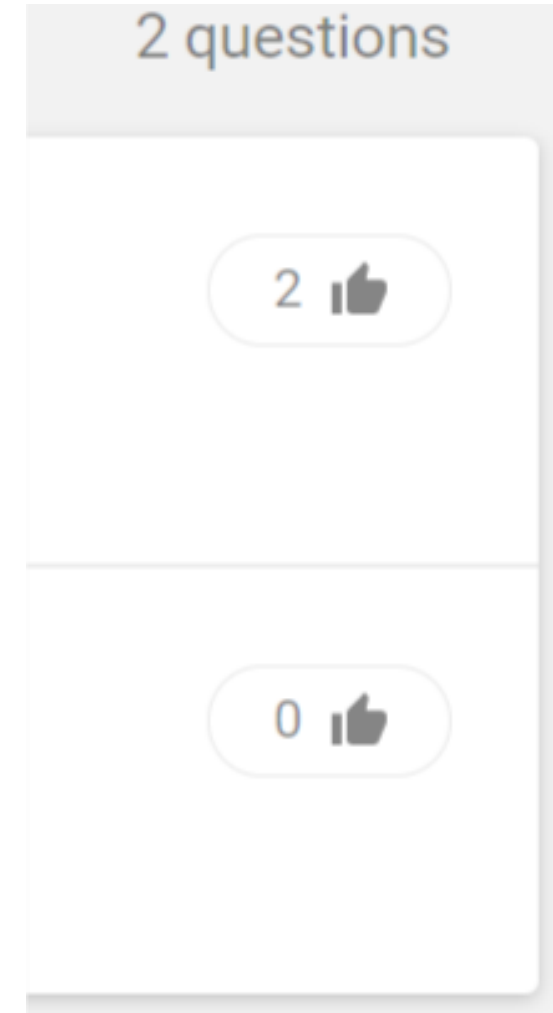
Your idea, e.g.
Automotive sector

The screenshot shows a Sli.do Q&A interface. At the top, there are two tabs: "Q&A" (selected) and "Polls". Below the tabs, the text "Ask the speaker" is visible. The main input area is labeled "Type your question". At the bottom of the input area, there is a field for "Your name (optional)" with a person icon to its left. A green "SEND" button is located at the bottom right of the input area. A red box highlights the "Type your question" area, with an arrow pointing to the text "Your idea, e.g. Automotive sector". Another red box highlights the "Your name (optional)" field, with an arrow pointing to the text "Your organisation and name, e.g. JRC-Hans Saveyn, so that we can give you the floor afterwards!!".

Your organisation and name, e.g.
JRC-Hans Saveyn, so that we
can give you the floor afterwards!!

Interactive session: voting and answering

- Once ideas start appearing, you can **vote** on them by clicking on the “**thumbs up**” sign to the right of each question
- The **most popular** ideas will be displayed **at the top**
- JRC will indicate when **voting stops**
- JRC will first give the floor to the person having formulated the idea with the most votes, then to the person with the second most-voted idea, and so on
- You can **switch on** your microphone and camera when given the floor and you should mute yourself and **switch off** your camera again after finishing to speak.



Q1: in which sectors can the Circular Economy provide resilience and open strategic autonomy?

- On which sectors should research focus in order to understand how the circular economy can provide resilience and strategic autonomy?
- Tips:
 - Sectors may be sectors where the circular economy is already taking off (e.g. packaging) or sectors that have been quite linear so far (e.g. transportation)
 - Where possible, try to be precise on the sector to the level it is needed to differentiate from other sectors: e.g. write 'plastic packaging' instead of 'plastics', but avoid too much granularity like 'polypropylene bottles'
- Sli.do **#700507** link: <https://app.sli.do/event/saxnmmmo>



Q2: how circular are the EU's economic sectors and what is the potential for more circularity?

- How much do we know about the circularity of the EU's economic sectors and the potential for more circularity?
- Tips:
 - Try focussing on the sectors that can contribute to providing resilience and open strategic autonomy (see first Panel Discussion)
 - Indicate the current level of circularity and the potential for more circularity with some explanation, e.g.:
 - Sector X has become slightly circular but can become more circular by making dismantling easier
 - Sector Y is not circular but has a high circularity potential by shifting to a service-based approach instead of product-based approach
- Sli.do **#173442** link: <https://app.sli.do/event/kx1jdbfv>

**New
Sli.do link !**



Q3: what actions are most urgently needed to make the EU economy more resilient through more circularity?

- What sort of research is needed for identifying the urgent actions to make the EU economy more resilient through more circularity?
- Tips:
 - Actions should focus on making the EU economy more resilient
 - Actions can come from any angle of society that would be most effective (policy-makers, industry, citizens, academia...), e.g.
 - Investigate possibility of tax reduction for service-based models

*New
Sli.do link !*

- Sli.do **#Y506** link: <https://app.sli.do/event/x2jawdu8>



Thank you

<https://ec.europa.eu/jrc/en/research/centre-advanced-studies>

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