

**Interreg
Europe**



European Union | European Regional Development Fund

Mission-oriented innovation policies

*Ambition R&D 2020 in Centre-
Val de Loire*

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Thematic Webinar

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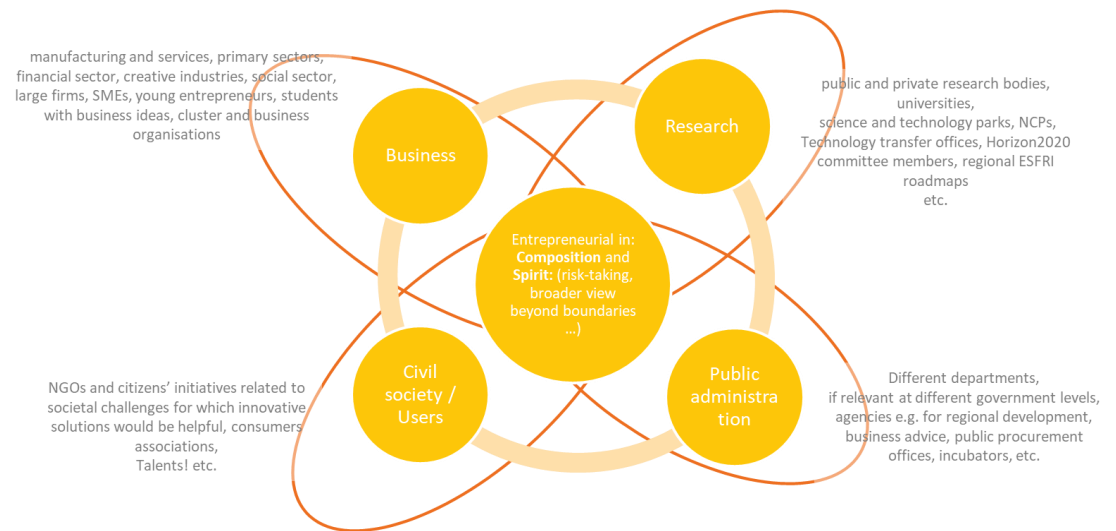


ARD 2020 : a good practices as part as 2 Interreg projects : Beyond EDP and MARIE



- **Beyond EDP** project deals with the involvement of the stakeholders in the innovation public policies such as RIS3.
- **MARIE** aims to improve regional public policy that supports delivery of Responsible Research and Innovation (RRI), and notably through open innovation.

The quadruple helix





ARD 2020 : a good practices as part as 2 Interreg projects : Beyond EDP and MARIE

Centre-Val de Loire is a “Small size” and “medium R&D intensity” region.

To overcome regional challenges, there is a need to increase the capacity of RDI... It can be done in practice only in focused domains.

Which domains?

That implies to prioritize the public policy by focusing RDI support with counterpart on economic impacts.

How to face these issues?

- « Classical » funding tools (PhD and post-doc, project calls, ...) useful on the long term but not sufficient
- **Idea** : a further tool with sufficient funding to foster the cooperation between Research Institutes and/or Universities and companies through high-level structuring R&D programs (Ambition Research Development 2020).
- RIS3 came just in time to support and amplify this process.





The ARD 2020 policy instrument

- **Aims of the ARD 2020 initiative :**
 - Build high level science clusters (increase permanent staff)
 - Induce strong partnerships with industry
 - Develop cooperation at the international level

- **Initial choice done in 2013 :**
 - Call for ideas sent to universities
 - Strong requirements ►► reduced number of answers
 - Finally 5 consortia/programs were funded
 - Political authorities decided not to consider “territorial balance” in their choice
 - Funding available for public laboratories only (companies funded via other mechanisms)
 - Significant funding between 6 and 10 M€ per consortia over 4 years (additional costs)

- **Eligible actions :**
 - non permanent staff, collaborative projects, technology transfer, public outreach, cluster administration, ...

The ARD 2020 policy instrument

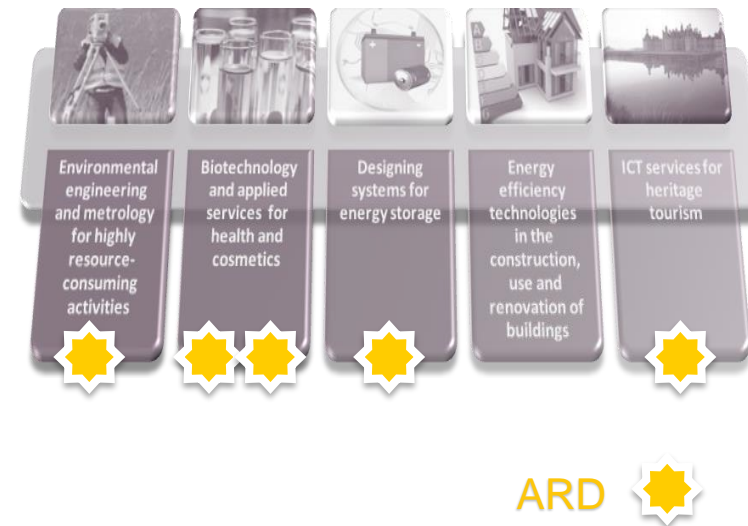


- **5 ARD 2020 consortia/programs**
 - Biopharmaceuticals (Univ. Tours)
 - Sciences applied to cosmetics (Univ. Orléans)
 - Natural and cultural heritage (Univ. Tours)
 - H2 and energy storage (CEA)
 - Environmental engineering (Univ. Orléans)

- Phases 1 (2013-2016) and 2 (2017-2020) with an interim evaluation between the two phases

- No new administrative structure
- Key point in most cases : **strong research focus + company cluster in partnership**
- In some cases : big company in partnership

The CVL RIS3 priorities





The ARD 2020 policy instrument

- ... but ARD should go further !
 - Limits of temporary staff funding / no real growth of permanent staff
 - Insufficient access to European level (H2020)
 - **Insufficient visibility and control of technology transfer activities**
 - **Insufficient economic impact due to :**
 - **Emerging markets**
 - **Small and few companies involved**

- **What has changed in phases 2 (2017-2020)?**
 - No more direct requirement to increase permanent staff on ARD domains
 - Requirement to build a strategy for European partnership
 - **Only projects with actual company partnership are funded**
 - Background : **new (more efficient) regional model for technology transfer in construction**
 - Strong ERDF cofunding (> 6 M€)

The mission-oriented dimension of the ARD policy instrument



- The open innovation process has been improved in the CVL region :
 - The mindset of the policymakers has changed about the efficiency of the funding of the research: **now, R&D should provide socio-economic impacts and not only scientific outcomes.** They are requested to have a **concrete contribution to the mains challenges identified in our region.**
 - They have designed a policy instrument that translates this approach to **support RDI projects in line with the priorities of the RIS3.** There is a strong alignment between the ARD policy instrument and the RIS3 that open the access to ERDF, with a high lever effect.
 - This policy instrument allows a **better cooperation between the universities and the research institutes and above all the integration of the company needs or stakes in the R&D.**



4. Recommendations

1. Pursue a **long-term public policy** with **ambitious objectives that are linked to the region's assets, courageous choices** that are **shared by the players in the quadruple helix**.
2. Create a **community with significant internal interactions**
3. **Involve better the entrepreneurial world** and foster company networks on a broader scale in order to attract newcomers in the cluster domain
4. **Foster the involvement of a big company** able to follow a long term strategy and to support (directly or indirectly) SMEs ► **acts as a locomotive for the entire ecosystem**
5. Provide an **efficient regional system for technology transfer** (well defined roles, cooperation spirit, sufficient funding, ...)