



A SMART Map for Precision Medicine

Executive Summary for Policy Makers

The SMART Map is a **tool that helps businesses** address issues of **social** and **environmental responsibility** they face in their innovation processes. It is based on the **Responsible Research Innovation (RRI)** approach promoted by the European Commission and it provides different stakeholders with practical suggestions on how to promote and put into practice these principles.

The SMART Map proposes **a route that guides policy makers** from the *current scenario of Precision Medicine* towards the *implementation of RRI practices* and their *potential benefits*, through a series of *suggested actions* and concrete examples collected during a pilot.



RRI: why you need to get there

RRI practices in the Precision Medicine industrial context could have a number of potential benefits for policy makers

- Better **tailored products and services**
- Opportunity to **interact with industrial players**
- **Access to knowledge** sharing and **training**
- **opportunities**
- Involvement of the **private sector in RRI processes**



Needs, challenges and opportunities for RRI

Key highlights in the current scenario of Precision Medicine

- **Data access and control:** building innovative solutions related to the access to medically relevant data and the control of their use, such as open platforms or software for dynamic consent
- **Standardisation:** ensuring the quality of services and products; improving the regulation of genomic medicine; creating new open standards
- **Healthcare transformation & participative and multi-stakeholder processes:** facilitating coordination across the stakeholders; implementing participative approaches that lead to stronger empowerment of patients and citizens
- **Building trust:** defending privacy in the handling of medical data; avoiding excessive claims from research findings; investing in transparency in private and public organisations
- **Creating capacities and education:** training and supporting professionals to read their field in an RRI perspective; consolidating dissemination and participatory practices



RRI: how you get there

A list of suggested actions policy makers could implement to help moving Precision Medicine towards RRI

1. Establish forms of **professional recognition** for all the **professional figures** playing a key role in the **implementation of RRI in Precision Medicine**
2. Introduce **RRI training** and **multi-stakeholder practices** at all levels of **policy making**, particularly with the aim of improving the **patient experience**
3. Promote **(physical and virtual) public spaces** to generate **opportunities** and facilitate the **interaction of all stakeholders** involved in the innovation of Precision Medicine
4. Introduce the **participation to RRI** practices as part of the **evaluation criteria** for career advancement
5. Promote the **inclusion of RRI** methods within the **standards of industrial products and services**, as well as **transparency** and **participatory approaches** in the definition of standards
6. Develop and discuss **new participatory methods** and **tools** for **data access** and **data control**

