# A new international framework for responsible innovation
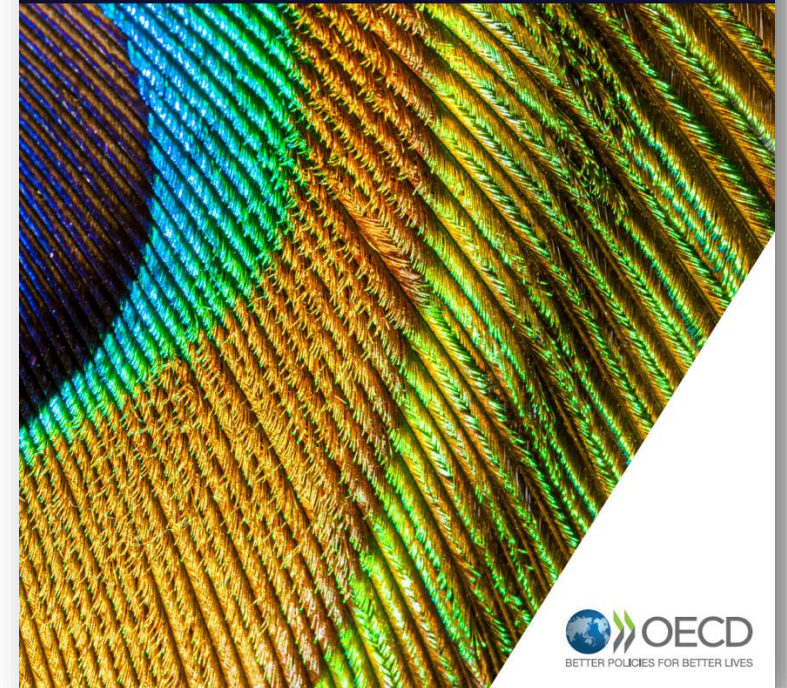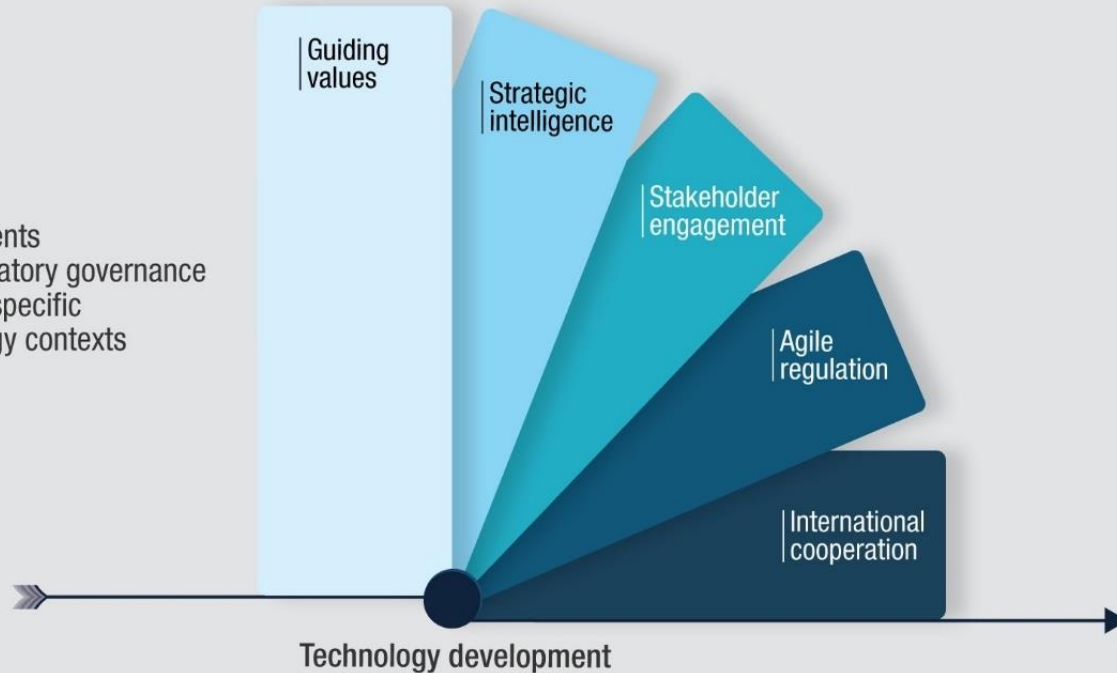


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FRAMEWORK FOR ANTICIPATORY GOVERNANCE OF EMERGING TECHNOLOGIES

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BETTER POLICIES FOR BETTER LIVES
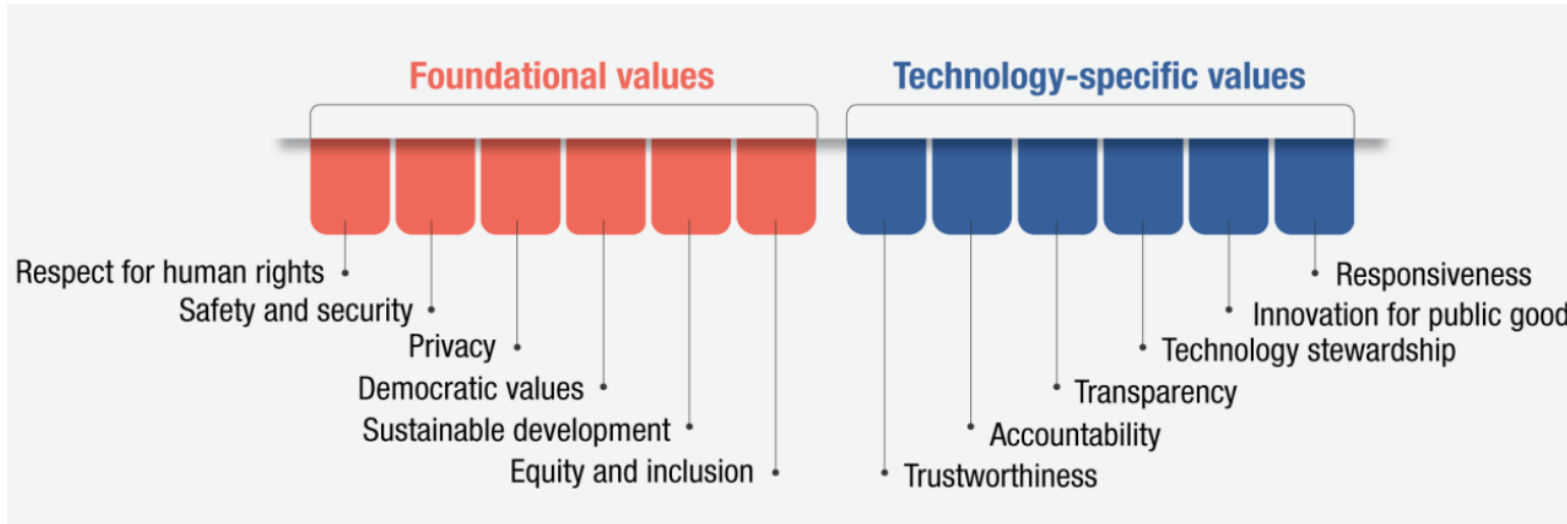
5 elements of anticipatory governance apply to specific technology contexts

Guiding values
Strategic intelligence
Stakeholder engagement
Agile regulation
International cooperation

Technology development
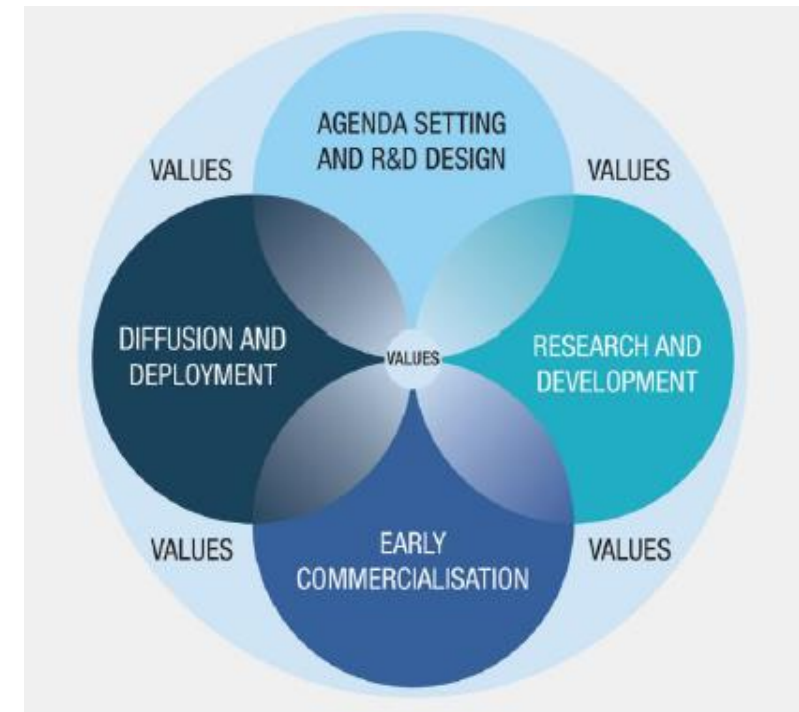
https://doi.org/10.1787/0248ead5-en

# Element 1 – Guiding values



Use foundational values and identify values specific to technology contexts



Place values at the centre of innovation policy

## Key actions

- **Enable deliberative, accountable and trustworthy processes**, to prioritise and specify values in a given technology context. *Create fora within and across diverse communities*, build capacity for meaningful engagement and ensure *information integrity*

- **Embed values throughout the innovation cycle**. This requires innovation actors to seek to *align technological development with values in particular institutional contexts* at particular loci in that process

# Element 3 – Stakeholder Engagement



**Capacity building**

1. Interdisciplinary education
2. Online repositories, podcasts, games, competitions
3. Media training for technologists
4. Foresight exercises

**Communication and consultation**

1. Focus groups, citizen juries, citizen assemblies, citizen dialogues
2. Science museum exhibitions, Science cafés
3. Surveys
4. Artist in residence programs

**Co-creation**

1. STI participatory agenda setting
2. Citizen science, Science Shops
3. Participatory technology assessment
4. FabLabs, Living Labs
5. Transdisciplinary research
6. Collaborative platforms

Select engagement tools and techniques based on their purposes

## Key actions

- **Use deliberative processes to co-design technology strategies and agendas** to better align science funding and societal priorities
- **Encourage interdisciplinary research and engineering** to infuse technological development with diverse perspectives and ethical, legal and social considerations
- **Develop "collaborative platforms"** with partners in industry, start-ups, and civil society, to nurture emerging technologies