

***The responsible development of emerging technologies in Europe:
the FORGING experience***

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Abstract:

Emerging technologies can bring significant and diverse benefits to society – from greater efficiency and productivity to tackling a number of global problems. At the same time, these technologies have the potential to shape our societies and impact our daily lives.

The specific features of emerging technologies pose both risks and opportunities. While these technologies cannot offer solid data about their future, they offer a unique opportunity to intervene in their early development process. This offer the possibility to prevent unintended/ undesirable results and embed a value-based approach careful to avoid bias and related discrimination.

The EU-funded project FORGING proposes a new methodology for innovation that is based on value-sensitive considerations. This approach breaks the traditional linear trajectory of innovation and encourages the development of new visions and pathways that are mindful of the society and human-centered, in alignment with Industry 5.0 frameworks.