

Innovation and Academic Pathways

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| TRL Level | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---------------------|---------------------------|-------------------------------|-------------------------------|-----------------------------|--|---|---|-------------------------------|---|
| European Commission | Basic principles observed | Technology concept formulated | Experimental proof of concept | Technology validated in lab | Technology validated in relevant environment | Technology demonstrated in relevant environment | System prototype demonstration in operational environment | System complete and qualified | Actual system proven in operational environment |

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|-------------|--------------------|------------------------|------------------|------------------|----------------------------|---------------|-----------|------------|-------------|
| Type | Idea | Concept | | Technology | | | System | | |
| Activity | Discovery | Invention | | | Development | | | | Deployment |
| Research | Basic Research | | | Applied Research | | Demonstration | | | Application |
| Deliverable | Proof of principle | | Proof of concept | | Prototype | | | Product | |
| Situation | Laboratory | | | | Real World/Living Labs | | | Design lab | Market |
| Example | | Technological research | | | Demonstration & Pilot Line | | Operation | | |

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| Focus | <ul style="list-style-type: none"> • Research focus & profile • Academic cooperation & partnerships • Strategic academic partnerships | <ul style="list-style-type: none"> • Public-private cooperation • Ecosystem development • Business development • Strategic private partnerships | <ul style="list-style-type: none"> • Cooperation with societal partners • Solutions for societal challenges • Strategic societal partnerships |
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