

# DOING RESEARCH



## 1. Have disciplinary expertise

Demonstrated deep knowledge and complex understanding of a specific research area, including responsible research, research ethics and integrity principles, privacy and GDPR requirements, related to research activities within a specific discipline.

FOUNDATIONAL	INTERMEDIATE	ADVANCED	EXPERT
<ul style="list-style-type: none"><li>• Understands key concepts and relevant knowledge of own research area.</li><li>• Keeps track of the latest advances within related fields.</li><li>• Is familiar with RRI (Responsible Research and Innovation) and ethical requisites to develop research in own discipline.</li><li>• Need guidance to implement GDPR and privacy requirements.</li></ul>	<ul style="list-style-type: none"><li>• Makes original contributions to own research area.</li><li>• Supports awareness of societal, political, ethical, and integrity related aspects of knowledge creation in own research area.</li><li>• Includes GDPR and privacy requirements in own research activity.</li></ul>	<ul style="list-style-type: none"><li>• Brings new knowledge to own and related disciplines and is aware of its impact on society.</li><li>• Influences national and international policies related to ethics and integrity in own research area.</li></ul>	<ul style="list-style-type: none"><li>• Contributes with, and has a deep understanding of, novel developments in own and related research areas, pursuing whenever appropriate an interdisciplinary approach.</li><li>• Influences national and international policies related to ethics and integrity in research.</li></ul>

## 2. Perform scientific research

Gain, correct or improve knowledge about phenomena by selecting or developing the appropriate scientific approach and by using scientific methods and research techniques based on empirical or measurable observations.

<ul style="list-style-type: none"><li>• Produces and accesses reliable research data.</li><li>• Learns from senior researchers in own institutions and takes part in collaborative research projects.</li></ul>	<ul style="list-style-type: none"><li>• Knows how to create, organise, validate, share, store, and curate information and is aware of the risks therein.</li><li>• Manages an independent research group.</li><li>• Engages in research collaborations outside of own institution.</li></ul>	<ul style="list-style-type: none"><li>• Introduces the use of new research tools and methods in own area.</li><li>• Coordinates research collaboration networks.</li><li>• Advises less experienced colleagues on research approaches in own discipline.</li></ul>	<ul style="list-style-type: none"><li>• Sets the research agenda in own research area.</li><li>• Leads a large research organisations.</li><li>• Designs guidelines and educational material for performing research.</li></ul>
---	--	--	---

## 3. Conduct interdisciplinary research

Work and use research findings and data across disciplinary/functional boundaries, including in collaborative settings.

<ul style="list-style-type: none"><li>• Values the benefits of knowledge from disciplines and domains different from own.</li><li>• Engages with and learns from researchers from other disciplines.</li></ul>	<ul style="list-style-type: none"><li>• Fosters creativity and critical thinking in inter-disciplinary meetings.</li><li>• Leads an inter-disciplinary research group and/or collaborates with colleagues from other disciplines at national and international institutions.</li></ul>	<ul style="list-style-type: none"><li>• Develops new approaches to perform research across disciplines.</li><li>• Leads inter-disciplinary research collaboration networks.</li></ul>	<ul style="list-style-type: none"><li>• Develops a visionary approach and challenges traditional viewpoints.</li><li>• Sets the policy agenda to develop research across disciplinary and functional boundaries.</li></ul>
--	--	---	--



## 4. Write research documents

Draft and edit research, academic or technical texts on different subjects.

FOUNDATIONAL	INTERMEDIATE	ADVANCED	EXPERT
<ul style="list-style-type: none"><li>• Contributes, under supervision, content for research, academic, and technical texts in a style appropriate for readership in own research area.</li><li>• Becomes confident with scholarly publishing tools.</li></ul>	<ul style="list-style-type: none"><li>• Communicates in a written style appropriate for specialist and non-specialist audiences.</li><li>• Supervises and mentors less experienced researchers in academic literacy and writing skills.</li><li>• Reviews and edits academic and technical texts.</li></ul>	<ul style="list-style-type: none"><li>• Develops advanced academic writing competences and leads the production of research literature, presenting complex ideas in a clear way.</li><li>• Masters the use of scholarly publishing tools and has a deep understanding of the publication processes.</li></ul>	<ul style="list-style-type: none"><li>• Writes academic and technical texts also in research areas contiguous to own discipline.</li><li>• Innovates scholarly publishing by introducing new tools or business models in the industry.</li></ul>

## 5. Apply research ethics and integrity principles

Apply fundamental ethical principles and legislation to research and innovation, including issues of research integrity. Perform, review, or report research avoiding misconducts such as fabrication, falsification, and plagiarism.

<ul style="list-style-type: none"><li>• Has a basic understanding of ethical conduct of research and of integrity principles.</li><li>• Asks for expert advice when in doubt about ethical decisions.</li></ul>	<ul style="list-style-type: none"><li>• Is well versed in the ethical conduct of research.</li><li>• Provides advice about ethical issues of research to peers.</li><li>• Is alert and attentive to falsification and plagiarism</li></ul>	<ul style="list-style-type: none"><li>• Engages actively in the works of various ethical committees.</li><li>• Promotes public understanding of the ethical issues raised by research.</li><li>• Helps less experienced researchers in the ethical conduct of research</li></ul>	<ul style="list-style-type: none"><li>• Actively contributes to develop ethical guidelines and systems to ensure ethical conduct of research in academia.</li><li>• Advises policy makers on policies and procedures of own research/academic/professional sector.</li></ul>
---	--	--	--