

Managing research

Making an impact

Self-management

Cognitive abilities

Working with others

Managing research tools

Doing research

Report

## Making an Impact

### Participate in the publication process

*Submit, revise and publish academic research through appropriate dissemination means and participate in peer review processes including open peer review*

- ☐ Understands the processes of publication both in the traditional and in the Open Science paradigm
- ☐ Understands how academics communicate research results
- ☐ Is aware of the diverse outlets for publications and publishes research results with supervision
- ☐ Produces publishable material of high standard
- ☐ Collaborates and co-authors with other researchers
- ☐ Peer reviews publications
- ☐ Disseminates in a range of research outlets (research, professional and public)
- ☐ Regularly publishes in, and is involved in editing academic journals
- ☐ Actively seeks co-authors and collaborates widely

- ☐ Is lead author on co-authored outputs
- ☐ Supports less experienced researchers to publish
- ☐ Is well-known for involvement in editing academic journals
- ☐ Has multiple high-ranked publications
- ☐ Serves on influential editorial boards
- ☐ Has published internationally and publicly renowned articles

## Disseminate results to the research community

*Publicly disclose research results via training, conferences, workshops, colloquia and research publications*

- ☐ Engages in knowledge exchange
- ☐ Understands the different ways that research results can be disclosed
- ☐ Presents at academic conferences
- ☐ Communicates research in an accessible way to a diverse research community
- ☐ Engages in interdisciplinary knowledge exchange
- ☐ Publishes scientific results of high-quality and promotes them to other researchers
- ☐ Educates, advises, and guides others on publishing scientific results
- ☐ Is known within the research community for disseminating high quality scientific results
- ☐ Chairs and leads scientific associations and conferences
- ☐ Actively promotes the reputation and esteem of the field

- ☐ Is a globally renowned authority on own topic and related interdisciplinary areas

## Teach in academic or vocational contexts

*Instruct students and transfer research content into teaching;  
supervise and support less experienced researchers*

- ☐ Contributes to teaching at undergraduate level
- ☐ Assists in the supervision of undergraduate projects
- ☐ Is aware of how research interacts with education
- ☐ Develops own teaching style
- ☐ Assists in the development of student research skills
- ☐ Co-supervises postgraduate research projects
- ☐ Seeks ways for own research to influence teaching
- ☐ Constantly seeks to improve own teaching with different techniques and approaches
- ☐ Manages educational programmes
- ☐ Advocates for the teaching-learning-research connection and interaction
- ☐ Supervises postgraduate researchers
- ☐ Pursues opportunities to develop research-informed education
- ☐ Leads educational programmes and their quality assurance procedures
- ☐ Is recognized as an inspiring educator and supervisor

## Communicate to the broad public

*Tailor communication of scientific findings to non-specialist audiences using various media formats*

- ☐ Understands and appreciates the value of engaging with the public
- ☐ Listens with attention and speaks with intention
- ☐ Knows the basics of non-scientific argumentation and its differences with scientific argumentation
- ☐ Presents own research at small-scale events
- ☐ Recognises the mutual benefit of public engagement in research
- ☐ Contributes to promoting the public understanding of own research area
- ☐ Knows how to present the value of own research and its evidence to a non-scientific audience
- ☐ Creates a climate where public engagement is valued
- ☐ Leads major public engagement projects
- ☐ Contributes to shaping the public's conception of own research area
- ☐ Uses different communication forms tailored for different audiences
- ☐ Gives strategic support for the setup of public engagement campaigns
- ☐ Occupies specific public engagement posts or holds a personal chair

- ☐ Is renowned for communicating scientific concepts in a clear, charismatic, and attractive manner, using appealing communication tools for the target audience

## **Increase the impact of Science on Policy and Society**

*Enhance the use of research in policy making by engaging with policy makers and presenting research findings in a policy friendly format*

- ☐ Understands the policy-making processes relevant for own field of research
- ☐ Presents findings in a policy friendly format
- ☐ Understands the wider contexts in which policies are situated
- ☐ Recognises the mutual importance of policy making and research
- ☐ Engages in dialogue with government institutions, stakeholders, and other key organisations
- ☐ Is aware of different approaches to knowledge brokering
- ☐ Contributes to science-for-policy outputs
- ☐ Writes science-for-policy outputs cited or used by policymakers
- ☐ Advices and supports colleagues in writing science-for-policy outputs
- ☐ Builds networks to inform policy making by evidence
- ☐ Informs political priorities by presenting compelling evidence of challenges or reframing of challenges
- ☐ Is called upon as knowledge broker in crisis/urgent situations

- ☐ Is called upon to work directly with high-level policy makers

## Promote open innovation

*Apply models, methods and strategies that contribute to innovation through collaboration with external partners*

- ☐ Understands the role of innovation, creativity, and collaboration with external partners in research
- ☐ Can engage in interdisciplinary research
- ☐ Is open to collaboration with external partners
- ☐ Develops new ways of collaborating with external partners on research topics
- ☐ Pursues interdisciplinary research
- ☐ Identifies promising ideas from external partners
- ☐ Establishes collaboration platforms for research and co-creation activities
- ☐ Leads innovative collaborations with external stakeholders from industry, public and third sectors
- ☐ Challenges traditional viewpoints by steering research towards external innovation
- ☐ Has a track record of successful innovation projects in collaboration with external partners

## Promote the transfer of knowledge

*Deploy awareness and strategies aimed at maximising the two-way flow of tools, technology, expertise, and knowledge between*

### *research and relevant stakeholders*

- ☐ Understands the process of commercial exploitation of research results
- ☐ Recognises the value of embedding academia in innovation communities
- ☐ Appreciates the importance of knowledge exchange within society
- ☐ Develops research ideas with the aims to commercialise them
- ☐ Contributes to knowledge exchange within society
- ☐ Is aware of different methods to commercialise research
- ☐ Turns research into ventures
- ☐ Advocates for increased engagement with the innovation community
- ☐ Builds networks to influence change through knowledge exchange
- ☐ Recognises research projects' potential for new products and novel applications
- ☐ Provides strategic leadership and support to others' commercialisation projects
- ☐ Has reputation for successful engagement with innovation stakeholders
- ☐ Stimulates, creates and builds extensive relationships in entrepreneurial/business/commercial contexts
- ☐ Has a track record of successful adoptions of new technologies and/or new ideas