



D20.3 / D3.3.2.2

Catalogue of workshop concepts

WP20



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¹ PU = Public
SEN = Sensitive

D20.3 / D3.3.2.2 Catalogue of workshop concepts

(2nd catalogue)

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Introduction

The purpose of this catalogue is to represent the development, establishment and promotion of online training courses and physical training activities of the ERA4Health (E4H) Partnership. In particular, development of different workshops and training courses for the different stakeholder groups: early career scientists, patients, researchers already involved in collaborative research and innovation projects as well as the general public. This may include workshops on specific topics identified in the research priority areas as well as cross-sectional issue like Responsible Research and Innovation (RRI), data standardization and management, open data, patient engagement, regulatory affairs, intellectual property rights, market demands and entrepreneurship.

Two important priorities in ERA4Health are:

1. Building capacities within the research community and clinical hospitals in conducting ambitious multidisciplinary research projects and Investigator Initiated Clinical Studies (IICS) at European scale.
2. Integration of Responsible Research and Innovation (RRI).

To understand better the needs from the field, a dedicated survey was conducted using the EU Survey software, which is the official online survey management tool of the European Commission and was advertised via the ERA4Health website, related social media channels and a dedicated newsletter sent to subscribers. All ERA4Health partners were asked to share the survey via their national communication channels and ERA4Health partners and Advisory Boards were asked to answer the survey.

The catalogue of workshop concepts will be considered a “living document”. The initial version D20.2 outlined the process of survey creation and idea collection, evolving into a more

comprehensive catalogue. The current iteration of the deliverable will prioritize ideas based on survey results, enhancing the document's depth and utility.

Survey results

- This survey includes references from 110 participants.
- Most of the participants (77%) are defined as Interested Scientists and are in their intermediate to late career stages.
- About 30% of the participants are from prevention and public health field, but most of them (59%) are from other fields: Cancer/Oncology, Infectious Diseases and Immunology, Med-Tech and innovation, Neurobiology, Medical Imaging and Machine Learning, Gene Therapies and Rare Diseases.
- Most of the responders (73%) prefer both types of events, a combination of physical and online variations.
- The participants, according to their preferences and needs, scored the different formats for the future planned capacity building activities. Despite small differences observed between the suggested scored options, they are visualized in the following figure and presented in ascending order from lowest to highest rating (Figure 1).

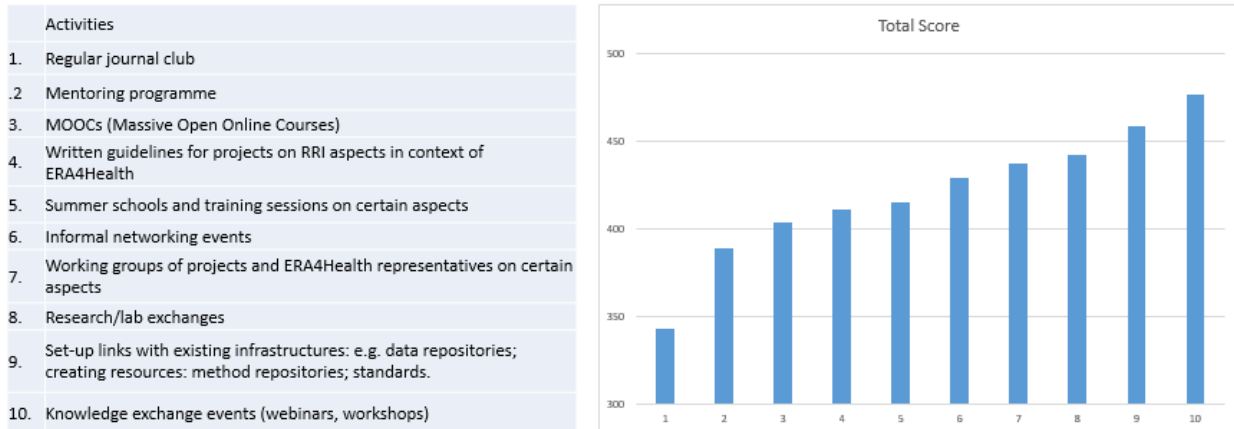


Figure 1: different formats for the future planned capacity building activities scoring. , the weighted average score for each activity was calculated by multiplying each score (1-5) by the corresponding number of responses and then summing up these products. The activity with the highest weighted average score is considered the most useful. The different format options are organized according to total score level (from low to high).

The possible categorization of these formats into different groups based on their purposes and characteristics is as following:

1. Educational and Training Programs:

- Regular journal club
- MOOCs (Massive Open Online Courses)
- Summer schools and training sessions on certain aspects

2. Mentorship and Guidance:

- Mentoring program
- Written guidelines for projects on RRI (Responsible Research and Innovation) aspects in the context of ERA4Health

3. Networking and Collaboration:

- Informal networking events
- Working groups of projects and ERA4Health representatives on certain aspects
- Research/lab exchanges
- Set-up links with existing infrastructures (e.g. data repositories; creating resources: method repositories; standards)

4. External Knowledge Sharing and Dissemination:

- Knowledge exchange events (webinars, workshops)

In addition, these formats can also be grouped according to different career stages (from early to late stages), as following, the 2 most scored activities are marked in green:

Early Career Formats:

1. MOOCs (Massive Open Online Courses)
2. Summer schools and training sessions on certain aspects
3. Research/lab exchanges
4. Knowledge exchange events (webinars, workshops)

Intermediate Career Formats:

1. Regular journal club
2. Mentoring program
3. Written guidelines for projects on RRI aspects in the context of ERA4Health
4. Set-up links with existing infrastructures (e.g. data repositories; creating resources: method repositories; standards)

Late Career Formats:

1. Informal networking events
 2. Working groups of projects and ERA4Health representatives on certain aspects
- The participants, according to their preferences and needs, scored the topics the different capacity building and training activities should address. Despite small differences observed between the suggested scored options, they are visualized in the following figure and presented in ascending order from lowest to highest rating (Figure 2)

Different topics

1. UN Sustainable Development Goals (UNSDG)
2. Do No Significant Harm principle
3. Safe and Sustainable by Design (SSbD)
4. Intellectual property rights
5. Citizens science & public involvement in research
6. Market demands, valorisation and entrepreneurship
7. Patient engagement
8. Multinational Investigator-Initiated Clinical Studies (IICS) management
9. Regulatory affairs
10. Ethics
11. Responsible Research and Innovation
12. FAIR data principle and open access
13. Dissemination and exploitation of research results
14. Grant writing & project management
15. Making use of research infrastructures: e.g. data repositories; creating resources: method repositories; standards
16. State of the art lectures about research areas mentioned in the ERA4Health Strategic Research and Innovation Agenda (SRIA)
17. Data management and standardisation
18. Translation of research results into praxis

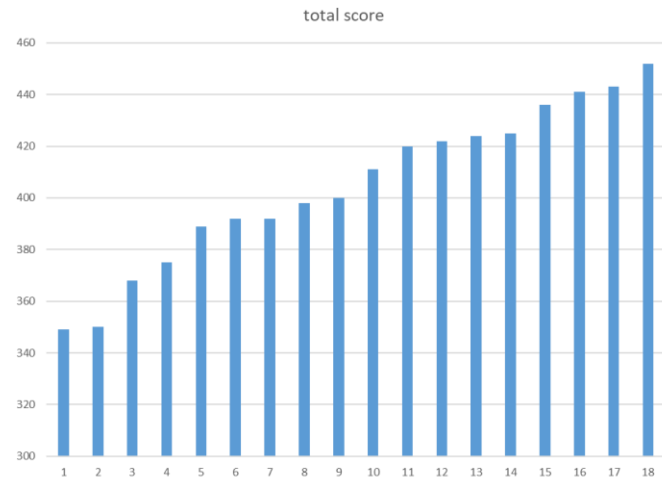


Figure 2: Different capacity building and training activities topics scoring, the weighted average score for each topic was calculated by multiplying each score (1-5) by the corresponding number of responses and then summing up these products. The topic with the highest weighted average score is considered the most useful. The different topic options are organized according to total score level (from low to high).

Suggested initiatives for early and late/established career stage

These activities can be grouped into categories based on their relevance and focus within the context of ERA4Health and research management. Each of these categories represents a different aspect of research and innovation management within ERA4Health, and the following grouping can help better understand the key areas of focus and expertise required for each. Here are some possible groupings, the 2 most scored activities of the survey are marked in green:

1. **Research Ethics and Principles:**

- UN Sustainable Development Goals (UNSDG)
- Do No Significant Harm principle
- Responsible Research and Innovation
- Ethics

2. Research Management and Funding:

- Grant writing & project management
- Dissemination and exploitation of research results
- State of the art lectures about research areas mentioned in the ERA4Health Strategic Research and Innovation Agenda (SRIA)

3. Research Data and Infrastructures:

- Making use of research infrastructures (e.g. data repositories; creating resources: method repositories; standards)
- FAIR data principle and open access
- Data management and standardization

4. Engagement and Collaboration:

- Citizen science & public involvement in research
- Patient engagement
- Multinational Investigator-Initiated Clinical Studies (IICS) management
- Translation of research results into praxis

5. Innovation and Business:

- Market demands, valorization, and entrepreneurship
- Safe and Sustainable by Design (SSbD)
- Intellectual property rights
- Regulatory affairs

In addition, these activities can also be grouped according to different career stages (from early to late stages), as following, the 2 most scored activities in the survey are marked in green:

Early Career Activities:

1. Grant writing & project management
2. Citizen science & public involvement in research
3. State of the art lectures about research areas mentioned in the ERA4Health Strategic Research and Innovation Agenda (SRIA)

Intermediate Career Activities:

1. Market demands, valorisation, and entrepreneurship
2. Making use of research infrastructures (e.g., data repositories; creating resources: method repositories; standards)
3. Data management and standardization
4. Translation of research results into praxis
5. Patient engagement
6. FAIR data principle and open access
7. Responsible Research and Innovation
8. Dissemination and exploitation of research results
9. UN Sustainable Development Goals (UNSDG)
10. Do No Significant Harm principle

Late Career Activities:

1. Intellectual property rights
2. Regulatory affairs
3. Safe and Sustainable by Design (SSbD)
4. Multinational Investigator-Initiated Clinical Studies (IICS) management
5. Ethics

Mapping existing training activities

An inventory of existing online webinars within the thematic scope of E4H has been identified as a first activity to be implemented. In this dedicated section, we will introduce a selection of webinars from various partnerships. These webinars have been produced independently of E4H, offering diverse perspectives and valuable insights. Our aim is to enrich the content of our platform and further enhance capacity building opportunities for our audience.

The webinars were taken from other initiatives and organisations: Healthy Diet Healthy Life (HDHL), European Heart Rhythm Association (EHRA), European Association of Preventive Cardiology (EAPC), Nanomedicines Innovation Network (NMIN), The International Society of Behavioral Nutrition and Physical Activity (ISBNPA), AquaticPollutants PhD Forum.

The webinars will be published on ERA4Health website under capacity building tab divided to the following categories:

1. Prevention and public health
2. Nutrition & Lifestyle
3. Cardiovascular Diseases
4. Nanomedicine
5. General topics

Later on additional online trainings and webinars with a focus on IICS will follow. A separate deliverable for the IICS training programme is currently being prepared and will be finalized by October 2024.

List of existing webinars

Nutrition and Lifestyle related Diseases

World Food Day - Different Perspectives to ensure Food Security and Sustainable Water Management

Organiser: [Healthy Diet Healthy Life \(HDHL\)](#)

Link: <https://www.youtube.com/watch?v=CbN8MUqvljE>

Lecturers:

Lorenzo Giovanni Bellù, Senior Economist, Lead Policy Intelligence Branch - Global Perspectives
FAO UN – Rome

Marco Bindi, Habtamu Alem and Duarte Torres University of Florence

Domenico Ventrella, Centro di Ricerca Agricoltura e Ambiente, Italy

Topic: With a growing population, there is a higher demand for food, animal feed and biofuel. Together we need to ensure that the food supply chain becomes more sustainable by, amongst other things, using less water. This means decreasing the use of water during the production, but also decreasing food waste so there is less water waste and finding safe ways to reuse it while preventing water pollution.

Webinar Food (In)Security due to Crisis

Organiser: [Healthy Diet Healthy Life \(HDHL\)](#)

Link: <https://www.youtube.com/watch?v=Vwx0REaoTM4>

Lecturers:

Prof. Karsten Kohler, Technical University of Munich.

Dr. Megan Blake, University of Sheffield

Prof. Corinna Hawkes, University of London

Dr. Hugo de Vries (INRAE)

Topic: The first presentation will address the Food Ladders approach which aims to provide a framework for communities to understand what kind of support they are providing and then work toward building local capability to create self-organised transformation in food systems, nutritional health, mental health and well-being. The second presentation will present the Food Realities Jigsaw as a way of highlighting the situation will only be effectively addressed if it takes people's lived experiences of the food crisis into account.

Changing Dietary Behaviour

Organiser: [Healthy Diet Healthy Life \(HDHL\)](#)

Link: <https://www.youtube.com/watch?v=Vla0qf7fPpE>

Lecturers:

Laura Fernández Celemin, Director General of the European Food Information Council (EUFIC) and chair of the JPI HDHL Stakeholder Advisory Board

Daniela Lüth (speaker): Policy Officer at the European Commission, DG Research & Innovation, Unit 'Bioeconomy & Food Systems

Mario Mazzocchi (speaker): Professor in Economic Statistics at University of Bologna.

Paula Varela Tomasco (speaker): Senior Researcher in Sensory and Consumer Science at Nofima, Professor at the Norwegian University of Life Sciences, and member of the JPI HDHL Scientific Advisory Board

Janas Harrington (speaker): Senior Lecturer and Director BSc Public Health Sciences at the School of Public Health, University College Cork. Partner of the Policy Evaluation Network (PEN), funded by JPI HDHL.

Topic: How can we shift dietary behaviour collectively towards more healthy and sustainable diets? The Joint Programming Initiative 'A Healthy Diet for a Healthy Life' has hosted its first webinar about this topic on December 1st 2022.

Ultra-processed foods: towards a balanced perspective

Organiser: [Healthy Diet Healthy Life \(HDHL\)](#)

Link: <https://www.youtube.com/watch?v=HwVky8T3pqs&t=4862s>

Lecturers:

Dr. Kevin Hall (National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK), National Institute of Health)

Prof. Carlos A. Monteiro (School of Public Health, University of Sao Paulo)

Prof. Edith Feskens (Global Nutrition, Wageningen University & Research)

Topic: The term ultra-processed foods often ignites strong opinions and even controversies. The JPI HDHL organised a webinar on 15/06/2023 with key experts on the topic, to shine a more balanced light on ultra- processed foods from various perspectives and to explore the latest scientific insights into health, equity and sustainability. Questions such as what are the advantages and disadvantages? What is the role of ultra-processed foods from a health equity perspective?

Ultra-processed foods – Panel Discussion

Organiser: [Healthy Diet Healthy Life \(HDHL\)](#)

Link: <https://www.youtube.com/watch?v=n-5kkzLYQYM>

Lecturers:

Prof. dr. John Mathers, Newcastle University & JPI HDHL Scientific Advisory Board vice-chair

Prof. Edith Feskens (Global Nutrition, Wageningen University & Research)

Dr. Kevin Hall (National Institute of Diabetes & Digestive & Kidney Diseases (NIDDK), National Institute of Health)

Topic: The purpose of this webinar is to shine a more balanced light on ultra- processed foods from various perspectives and to explore the latest scientific insights into the health, food and practical implementation aspects.

10 years of nutrition research

Organiser: [Healthy Diet Healthy Life \(HDHL\)](#)

Link: <https://www.youtube.com/watch?v=BECnQzaDx7M>

Lecturer: Prof. Dr. John Mathers, Newcastle University & JPI HDHL Scientific Advisory Board vice-chair.

Topic: Advances in nutrition and health research over the past 10 years and a glimpse into the future

Cardiovascular Diseases

Innovations in ICD therapy: from transvenous to extravascular

Organiser: [European Heart Rhythm Association \(EHRA\)](#)

Link: <https://esc365.escardio.org/event/1515>

Lecturers: Professor L. Boersma (Nieuwegein, NL) , Doctor F. Murgatroyd (London, GB)

Topic: Ventricular Arrhythmias and Sudden Cardiac Death (SCD)

Addressing the obesity epidemic: from population level to individual level interventions

Organiser: [European Association of Preventive Cardiology \(EAPC\)](#)

Link: <https://esc365.escardio.org/event/1539>

Lecturers: Professor V. Aboyans (Limoges, FR) , Professor M. Petrie (Glasgow, GB)

Topic: Risk Factors and Prevention. This webinar is designed for Cardiologists, Primary Care Physicians, Nurses & Allied Professions but also cardiologists wishing to update their scientific knowledge on the topic.

Nanomedicine

Cancer nanomedicine: Using gold nanoparticles to overcome radiotherapy challenges

Organiser: [Nanomedicines Innovation Network \(NMIN\)](#)

Link: <https://www.youtube.com/watch?v=UQIhDd-oSLA>

Lecturer: Dr. Devika Chithrani, Department of Physics and Astronomy at the University of Victoria, Canada

Topic: Improvement of current radiation therapy using nanotechnology. How can we exploit nanoparticles into current cancer therapy? This lecture will focus on gold nanoparticles in cancer medicine.

What is the Future of Nanomedicines?

Organiser: [Nanomedicines Innovation Network \(NMIN\)](#)

Link: <https://www.youtube.com/watch?v=yfsL9ur3k48>

Lecturer: Dr. Pieter Cullis, University of British Columbia, Vancouver, Canada

Topic: from Vancouver Nanomedicine Day 2023, Dr. Pieter Cullis presents his vision of where the nanomedicine revolution will lead.

General Topics

How to get the most out of attending a conference

Organiser: [The International Society of Behavioral Nutrition and Physical Activity \(ISBNPA\)](#)

Link: <https://isbnpa.org/webinar/may-19-2023-0800-utc-nesi-worskhop-and-webinar-how-to-get-the-most-out-of-attending-a-conference/>

Lecturer: Dr Michael Wheeler, School of Exer & Nutr Sciences, Deakin University

Topic: Conferences are one of the best ways and opportunities to meet people and hear about new research in your field. In addition, conferences can be fantastic places to find collaborators, thesis examiners and jobs. In order to get the most out of attending a conference, it can be very beneficial to prepare before you go, to be committed once you get there, and then do some follow-up activities afterwards.

From Research to Publication - Reviewer's and Editor's Perspective

Organiser: [AquaticPollutants](#) PhD Forum

Link: <https://www.youtube.com/watch?v=-KMb3AFht2k&t=4s>

Lecturer: Prof. Shlomo Vinker

Topic: Writing and publishing scientific articles, from the editor's view.

ERA4Health virtual academy

Online live lectures will be conducted every 2-4 months. In addition, the lectures will be recorded and uploaded to the website.

The topics for the lectures were chosen based on the results of a survey we conducted. Our aim for this first period was to identify subjects relevant to translational research, grant writing, and the dissemination and exploitation of research results.

Currently, the following examples are being considered:

Title	Speaker	Affiliation
How to raise money to bring your invention into the market and create a product - insights from a scientist who became a founder	Dr. Omri Amirav-Drory	General Partner at NFX a VC firm investing in pre-seed and seed stage startups. Omri is a 2-time scientist-founder and will give a view about innovation barriers and career development.
Artificial Intelligence and Science	Mati Gil	Head of AION LABS, former Head of Government Affairs and Policy, Corporate HQ & Growth Markets Teva Pharmaceutical Industries Ltd
How to write winning grants	Teresa Huff	Nonprofit strategist, grant writer, mentor and podcast host
Partnerships & Commercialisation - from academia to the industry	Vjera Magdalenic-Moussavi	Director of Industry Partnerships & Commercialisation at Imperial College London.
How to get involved in scientific societies	Yu-Xuan Lyu (Lu)	Southern University of Science and Technology, Shenzhen and MaxPlanck Institute, Germany

The live webinars will be announced on the ERA4Health website and the ERA4Health social media channels: LinkedIn, X.

Early Career Network

The Early Career Network (ECN) will be established for Early Career Researchers working in the Joint Transnational Calls (JTCs) of ERA4Health. The network will be launched in May 2024 for the ECRs that already work in the first two JTCs – HealthEquity and CARDINNOV.

First activities planned for the ECN include:

- An information meeting about the network to be held online in September 2024.
- An official face-to-face kick-off and networking meeting with a capacity building element at the end of 2024. The content of the capacity building element will be developed in Q3 this year according to the needs of the ECRs.

Further activities that will be offered to the ECRs and may start soon after the launch of the ECN are:

- Online journal clubs in the thematic fields relevant for JTC1 and JTC2.
- Online presentations of the ERA4Health projects that the ECRs are working in.

Further workshops, face-to-face and online, will follow in the year 2025. Topics will be taken from the survey results, such as grant writing, project management or citizen science & public involvement in research, among others.