



D7.4. Report on the FAIRification workshops and tutorials series

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List of acronyms

| | |
|-------------|---|
| BoF | Birds-of-a-Feather |
| CEN | Centre Européen de Normalisation |
| CrowdHEALTH | Collective wisdom driving public health policies |
| DCC | Digital Curation Centre (See. IDCC) |
| EFMI | European Federation for Medical Informatics |
| EOSC | European Open Science Cloud |
| EU | European Union |
| FAIR | Findable, Accessible, Interoperable and Reusable |
| HIMSS | Healthcare Information and Management Systems Society |
| HIT | Health Information Technology |
| HL7 | Health Level 7 |
| HRPO | Health Research Performing Organizations |
| IACS | Instituto Aragonés de Ciencias de la Salud |
| ICIMTH | International Conference on Informatics Management and Technology in Healthcare |
| IDCC | International Digital Curation Conference (See. DCC) |
| IFIP | International Federation for Information Processing |
| IMIA | International Medical Informatics Association |
| IMISE | Universitaet Leipzig |
| IPBV | Institute of Pulmonary Diseases of Vojvodine |
| ISO | International Standardization Organization |
| MIE | Medical Informatics Europe |
| P13 | RDA 13th Plenary (Philadelphia, April 2019) |
| P14 | RDA 14th Plenary (Helsinki, October 2019) |
| PLRI | Peter L Reichertz Institute |
| RDA | Research Data Alliance |
| SAS | Servicio Andaluz de Salud |
| SRDC | Software Research and Development Consultancy |
| STC | Special Topic Conference |
| UC3M | Universidad Carlos III De Madrid |
| UEDIN | The University of Edinburgh |
| UNIGE | Université de Genève |
| UP | University of Porto |
| WHO | World Health Organisation |

1. Executive summary

To follow the Deliverable D7.4 made in May 2019 (M6), this report will summarize the activities fulfilled up to August 2020 (M21). As already stated in the previous report, some of the specific outreach activities are described in Deliverable D7.3. Since May 2019, we had active autumn and early winter 2019 and a terrible situation in 2020 due to the SARS-CoV-2 pandemic. Although some congresses were canceled, for this reason, it has been possible to carry out some presentations in other congresses virtually.

Participation in conferences with oral presentations, posters, and workshops, as well as the involvement in exhibitions and other events, have been suggested as the most appropriate dissemination methods for projects like ours. Publications on scientific journals, articles on newspapers and online communication (website and social media) have also been considered in FAIR4Health as a means of engaging the public and scientific community with the project and its outcomes. For the activities outlined above, all partners are committed to provide sufficient and appropriate material for dissemination purposes and contribute to the project's outreach during its life cycle and after its completion.

2. Introduction

This document gives an overview of the activities conducted by the different FAIR4Health partners. Perhaps some events could be reported in other deliverables. The objective is to give an extended chronological view of the activity.

3. FAIR4Health participation in previous events

3.1 2nd Big Data for Precision Medicine Symposium (04.06.19)

SAS and ATOS participate at this conference in Córdoba, Spain. The objective was to communicate with the participants and promote by bilateral contact the FAIR principles.

3.2 International Conference on Informatics Management and Technology in Healthcare ICIMTH (05-07.07.19)

SAS, EFMI, IMISE, HL7 and UNIGE conducted a workshop entitled "Boosting health research with the FAIR4Health project: Guidelines for implementing a FAIR data policy in health research." In Athens, Greece. The objectives:

- To engage stakeholders by providing training and awareness-raising on the FAIR data principles and its potential impact in the Health research domain.

- Open discussion about the suitability of the "Guidelines for implementing a FAIR data policy in health research" developed in the frame of the FAIR4Health project.

3.3 Asociación de Educación e Investigación en Ciencia de la Información de Iberoamérica y el Caribe (EDICIC) (10.07.2019)

UC3M participates to this conference in Barcelona (Spain). Presentation "Cómo publicar datos de investigación de salud siguiendo los principios FAIR".

3.4 Medical Informatics MEDINFO 2019 Lyon (25-30.08.2019)

SAS, EFMI, HL7, and UNIGE conduct two workshops entitled: "FHIR for FAIR: Advancing interoperability for health data" and "FAIR Health Data Sharing Initiatives in Europe: Opportunities and Challenges for international cooperation" This conference attracted more than 1'200 participants from all over the world. The workshops were well attended. In the proceedings, there were also two posters presented about FAIR principle but not from our group FAIR4Health.

3.5 YouTube session (03.09.2019)

SAS produced and uploaded a 45 minutes session on YouTube "Informative Session on Fair Principles for Biomedical Research".

3.6 EOSC Life Session (04-05.09.2019)

AMC participates in a joint meeting with other H2020 projects in Brussels. "FAIR enough." ECRIN co-organized the meeting in Brussels from 4 - 5 September 2019 as part of the EOSC-Life project. The goal was to align partner strategies and project initiatives regarding FAIR data and related issues.

3.7 BE OPEN Workshop (9-10.09.2019)

SAS participates to the workshop: BE OPEN at "Building EOSC through the H2020 projects – current status and future directions" workshop in Brussels. The workshop aimed to increase the visibility of the EOSC-related projects funded by the DGs CNECT and RTD, explore their current state of achievement, and discuss issues and potential regarding the next steps towards building the EOSC. In addition to all currently active EOSC-related projects funded from the H2020 program by the DGs CNECT and RTD, the meeting also provides an opportunity to interact with the members of the Governance and Executive Boards and to understand the work done within these bodies.

3.8 Workshop FAIRe Dateninfrastrukturen für biomedizinische Fachcommunities (10.09.2019)

IMISE participated in this workshop organized by GMDS in Dortmund, Germany. The aim was to introduce the activities of different projects and research sites in Germany concerning FAIR (Findable, Accessible, Interoperable, Reusable) data management. By an exchange of experience, common concepts (e.g., expansion of FAIR, coordination, and development, standards and guidelines, etc.) are supposed to be planned regarding biomedical informatics, and their basic data and strategies for implementation are supposed to be developed.

3.9 Open Science FAIR (16-18.09.2019)

SAS and UC3M participated in this conference and conducted a workshop entitled "Fostering a FAIR research culture - what works?".

UP, SAS and SRDC prepared and presented a Poster entitled "User scenarios to promote the use of FAIR data on Health Research".

UEDIN participated in the conference promoting networking.

3.10 Film online by Plataforma de Innovación en Tecnología Medicas y Sanitarias (17.09.2019)

SAS organized a comprehensive movie in Spanish about FAIR4Health project which is online on <https://www.youtube.com/watch?v=sxYVhCkclLM&feature=youtu.be>

3.11 IBERGRID 2019 (23.09.2019)

SAS participated at the 10th Iberian Grid Conference in Santiago de Compostela, Spain. The presentation was entitled "FAIR4Health project: Improving health research in the EU through FAIR data".

3.12 ROCHE knowledge hub (10.10.2019)

IPBV was invited by Roche Knowledge Hub in Becici Montenegro to present the FAIR4Health project.

3.13 Research Data Alliance (RDA): 14th Plenary (23-24.10.2019)

SAS, UC3M, and UEDIN participated in this meeting and gave a workshop entitled "BoF: Guidelines for Health Research Performing Organizations (HRPOs) to implement a FAIR data policy" in Helsinki Finland. Objectives were: a) Gather international expressions of interest to collaborate in drafting easy-to-apply guidelines for implementing a FAIR data policy in health research directed towards managers of HRPOs; b) To create a new RDA

Working Group (WG) on this topic under the Health Data IG umbrella; and c) To outline the case statement for this WG.

3.14 Sigram Integras Jornadas para Empresas y emprendimiento (28-29.10.2019)

SAS gave a Conference entitled "FAIR4Health: Generando conocimiento en Salud a partir de datos FAIR más allá de entidades y países" in Murcia (Spain). This presentation was very well attended.

3.15 BCSalud 2019 III Jornades de Biblioteques i Salut de Catalunya (14-15.11.2019)

UC3M gave a presentation entitled "FAIR4Health: la gestión de datos de investigación en salud" in Barcelona (Spain).

3.16 8º Ciclo de Conferências Livres ICBAS/FFUP (20.11.2019)

UP participated one day Conference in Porto (Portugal) with a presentation entitled "FAIR data and FAIR4Health".

3.17 LXXI Reunión Anual de la Sociedad Española de Neurología SEN (22.11.2019)

IACS participated at this conference, and an activate the networking in the promotion of FAIR principles in Seville (Spain).

3.18 The European Institute for Innovation Through Health Data i~HD (27-28.11.2019)

PLRI and SAS participate at Joining the Dots Conference in Brussels Belgium and participate in the session 1 "Building High Value Data Sets".

3.19 FAIR4Health at the EOSC Symposium 2019 (26-28.11.2019)

SAS participated in the Breakout 3: Impact of Requirements of FAIR on Technical Architecture, in Budapest (Hungary). The title of the presentation was: FAIRification process in the context of Real World Data for Health and Biomedical Research.

3.20 Uso Secundario de los Datos Clínicos: Analizando los Datos (29.11.2019)

SAS organized training of FAIR4Health in Barcelona (Spain).

3.21 50 Reunión de la Sociedad Andaluza de Patología Digestiva SAPD (28-30.11.2019)

SAS gave an oral presentation of FAIR4Health project. In Seville (Spain).

3.22 Hospital Universitario Fundación Jiménez Díaz (03.12.2019)

UC3M participated in a workshop and made an oral presentation "Open Science and research integrity in Health research, including FAIR4Health project presentation" in Madrid (Spain).

3.23 ESHORISONTE2020 "Ciencia con y para la Sociedad" Science With and For Society SWAFs (18.12.2019)

SAS was invited to give a keynote speech on FAIR4Health in Jaén (Spain).

3.24 Research Data Alliance (RDA): Ambassador video (01.01.2020)

UC3M, nominated RDA Europe Ambassador, prepared a video to promote the involvement in FAIR4Health and the importance of interdisciplinary research. This was for Helsinki (Finland) meeting.

3.25 FAIRplus SME and Innovation Forum: Implementing FAIR data principles in industrial life science research (29.01.2020)

UEDIN and SAS participated in this conference and were part of a discussion panel, "The FAIR Landscape" at Hixton, Cambridgeshire, UK.

3.26 Instituto de Biomedicina de Sevilla (IBiS): XVI Foro de Investigadores (30.01.2020)

SAS presented a poster during this event, "FAIR4Health: Improving Health Research in EU through FAIR Data" in Seville, Spain.

3.27 15th International Digital Curation Conference (IDCC) (17-20.02.2020)

SAS presented in a so-called Lightning talk: "Towards a Guideline to Implement FAIR Data Policy in Health Research Performing Organisations: the FAIR4Health approach" in Dublin (Ireland).

3.28 Research Data Alliance (RDA): Deutschland Tagung 2020 (26.02.2020)

IMISE presented a poster "FAIR4Health – Verbesserung der Gesundheitsforschung in der EU durch Bereitstellung FAIRer Daten und Werkzeuge" in Potsdam (Germany).

3.29 Data Archiving and Networked Services DANS: Workshop on Training in EOSC (26-28.02.2020)

UC3M promoted the project in an Initiative to bring trainers in projects related to the European Open Science Cloud (EOSC) together to work on the future of training activities in EOSC. In the Hage The Netherlands.

3.30 Sociedad Española de Informática de la Salud (SEIS): Inforsalud 2020 (3-5.03.2020)

SAS participated at this conference and gave a talk "FAIR4Health: Reutilizar y compartir datos de Salud aplicando los principios FAIR" in Madrid (Spain).

3.31 Research Data Alliance (RDA): 15th Plenary Meeting Virtual (08.04.2020)

SAS, UC3M, and UEDIN organized a virtual workshop "WG on Guidelines for Health Research Performing Organizations (HRPO) to implement a FAIR Data Policy". The meeting goals were: a) To explain and validate with the audience (not only EU centric) the case statement; b) To formally create the RDA WG; c) To identify the cultural-regional issues on adopting the principles and steps by different HRPOs in the world; d) To have a first draft for discussion of principles and steps to guide Health Research Performing Organizations to create a policy (internationally valid) for FAIR data: and finally e) To involve a broader community to align the proposal of the HRPO policy on FAIR data.

3.32 Sociedad Española de Informática de la Salud (SEIS): X Reunión del Foro de Interoperabilidad Virtual (02.07.2020)

SAS participated at a virtual Conference and gave talk "Proyecto FAIR4Health: Utilizando los principios FAIR para generar conocimiento en Salud".

3.33 Medical Informatics Europe 2020 MIE2020 Virtual (05.07.2020)

SAS, HL7, and IMISE gave a virtual workshop "FAIR in HL7: New standards for supporting Health Research".

PLRI edited a poster in the book of the proceedings MIE2020 entitle: "Data Provenance Standards and Recommendations for FAIR Data".

IMISE published a full paper in the book of the proceedings MI2020 entitle: "Problems in FAIRifying Medical Datasets" The proceedings book was downloaded 4'004 times up to July 27 2020.

4. Publications

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5. FAIR4Health participation in future events

As the COVID19 situation is unpredictable, most of the future conferences, meetings, events will be organized virtually due to it is challenging to forecast future events.

Despite these difficult times, the FAIR4Health consortium will continue to promote the planned dissemination activities. One of the important events for the achievement of the project's objectives that we are already organizing is a virtual workshop in the [RDA Plenary 16](#) (November 2020). The main objective of this virtual meeting is to build upon the previous three BoFs (P13 Philadelphia, P14 Helsinki, and VP15 Melbourne), consolidating what those meetings established and formally inaugurate this new WG. This meeting will also review in depth the key principles that will inform the RDA output and form the basis for the guidelines: a unifying and globally applicable FAIR data policy for HRPOs. Participants will be polled to gather feedback, and we will also identify volunteers to undertake specific tasks (see the section on activities), at least in short to medium term. Specifically, this will take the form of gathering the requisite information to create a global landscape analysis of FAIR data policies in the health research field.

6. References

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