Data management at the InnoRenew CoE

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About the InnoRenew CoE

The InnoRenew project and the InnoRenew CoE institute:

o The **InnoRenew project** is the H2020 funded action of the project partners (including the new institute) to establish InnoRenew CoE as a successful and sustainable organisation. The project started in April 2017 and includes collaborative research between the institute and its partners, mentoring, and operational activities.

o The **InnoRenew CoE** is the independent and autonomous research institute established in February 2017 that is one of the partners in the InnoRenew project.

Key research areas:

o **Wood modification:** thermal, mechanical, and chemical treatment of wood to make it more durable and create more uses in different products.

o **Restorative environmental and ergonomic design (REED):** design system to create buildings that create positive human health, environmental, and societal impacts.

Research groups at the InnoRenew CoE:

Human health in the built environment	Wood modification	Renewable materials composites
Sustainable building with renewable materials	ICT in renewable materials and sustainable building	Experimental design and data analysis

Research fields: wood materials, construction, biology, polymers, social sciences, cultural heritage, computing mathematics, psychology, kinesiology, modelling, siulation, design, logistics, deployment, risk-assesment, decision making and management.

Other partners in the InnoRenew project

Data Management Plan (DMP)

o The InnoRenew project participates in the **Open Research Data Pilot** of the European Commission

o Responsibility for data management shared between the Experimental design and data analysis group, the ICT in renewable materials and sustainable building group, and the tecnical services unit

o It follows the guidelines on **FAIR data management** in Horizon 2020

Findable	Accessbile
	FAIR	
Interoperable	Reusable

o Datasets and research results deposited to **Zenodo repository**: https://zenodo.org/communities/innorenew/

o To improve reusability, we will collect extended metadata (methodology, data collection, post-collection processing, etc.) in addition to DataCite's **metadata schema**

o Promotion of datasets on our website and social media

Data Security

o Internal data management systems follow ISO/IEC 8000 and the SO/IEC 27000-series standards

o Research files deposited to Zenodo governed by its privacy policy

Legal and ethical aspects

o Research plans involving human subjects are submitted to the **ethical committee** in charge of the corresponding research area

o **Risk of disclosure** assessed before, during, and after data collection in line with UK Data Service guidelines:

   o **Informed consent** sought for data collection, processing, and long-term preservation

   o Direct and indirect identifiers in data files will be identified and those variables will be either **removed, aggregeated, pseudononymised, or anonymised** to allow data sharing

   o In cases, when anonymisation would hinder the reusability of data, **access to the data will be restricted**

o The InnoRenew CoE data protection policy in line with the new **General Data Protection Regulation (GDPR)**

Future work

o Yearly review of the DMP

o Identification of relevant disciplinary repositories

o Involvement in relevant RDA work groups

o Promoting data sharing in our research domains

o Application for the RDA Europe Ambassador programme

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