



Welcome to the Workshop:

*“Laying down the Foundations for a
**European Code of conduct (CoC)
for Energy Smart Appliances (ESA)
Interoperability”***

8 November 2022

JRC.C3 Unit – Kristine VLAGSMA

Energy Security, Distribution and Markets

I will briefly mention.

What is the ...

- ... JRC?
- ... role/mission of the JRC?
- ... Smart Grid Interoperability Laboratory or SGI Lab?

Its activity in relation to the workshop?

Joint Research Centre



The European Commission's (EC) Directorate-General

Our mission

As the science and knowledge service of the EC, our mission is to support EU policies with independent evidence throughout the whole policy cycle.

JRC sites

Headquarters in **Brussels**
and research facilities located
in **5 Member States**:

- Belgium (Geel)
- Germany (Karlsruhe)
- Italy (Ispra)
- The Netherlands (Petten)
- Spain (Seville)



Smart Grid Interoperability Laboratory

SGILab

JRC's contribution to the Digitalisation of Energy



Petten (NL)



Ispra (IT)

Main objective of the SGI Lab Petten

Promote the interoperability of digital energy systems in the interface between smart homes and smart grids.



Scope of the SGI Lab

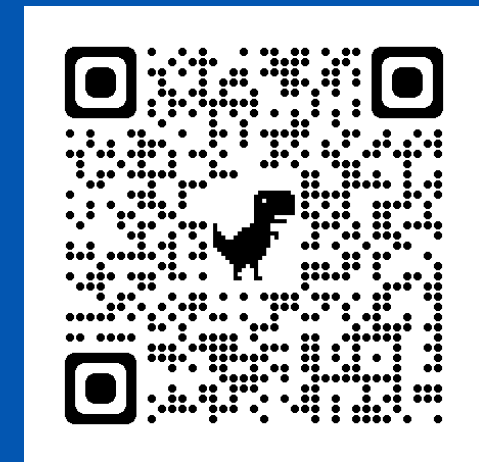
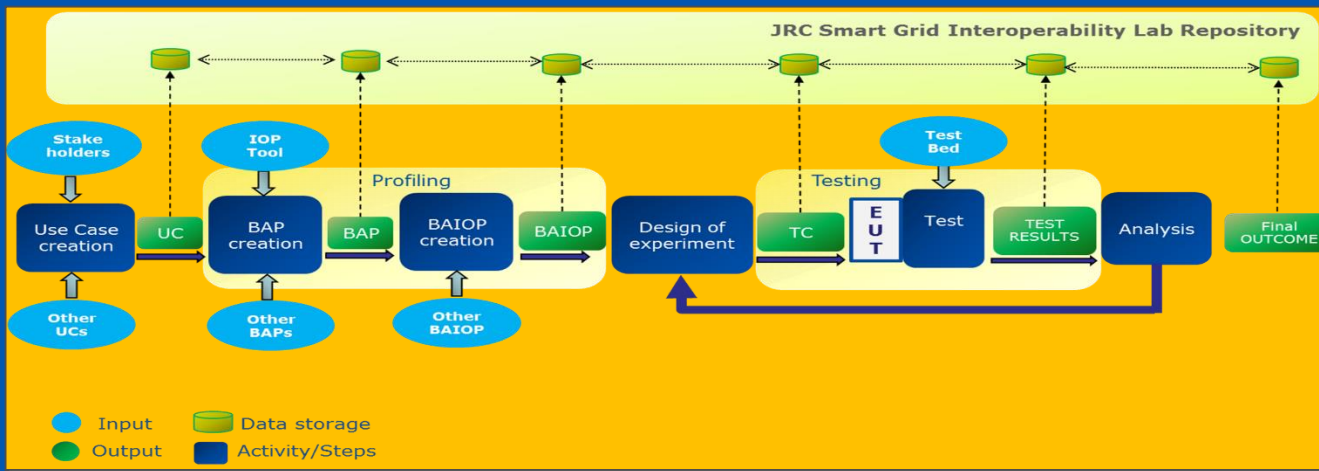
- **Test the Interoperability (IoP) of solutions**
coming from e.g. industry, market, research projects, etc.
- **Promote a common European IoP testing methodology**
based on the CEN-CENELEC-ETSI framework
- **Become a knowledge hub**
by disseminating processes and results of testing campaigns
- **Network with European industrial actors**
as well as other laboratories and research centres

SGILab inventory



European smart grid interoperability testing methodology

We proposed, designed and disseminated the first complete and actionable **European smart grid interoperability testing methodology** for digital energy and smart homes.



Smart Grid Design of Interoperability Tests (SG-DoIT)

Interoperability Smart Grid

Architecture Model

(SGAM) layers

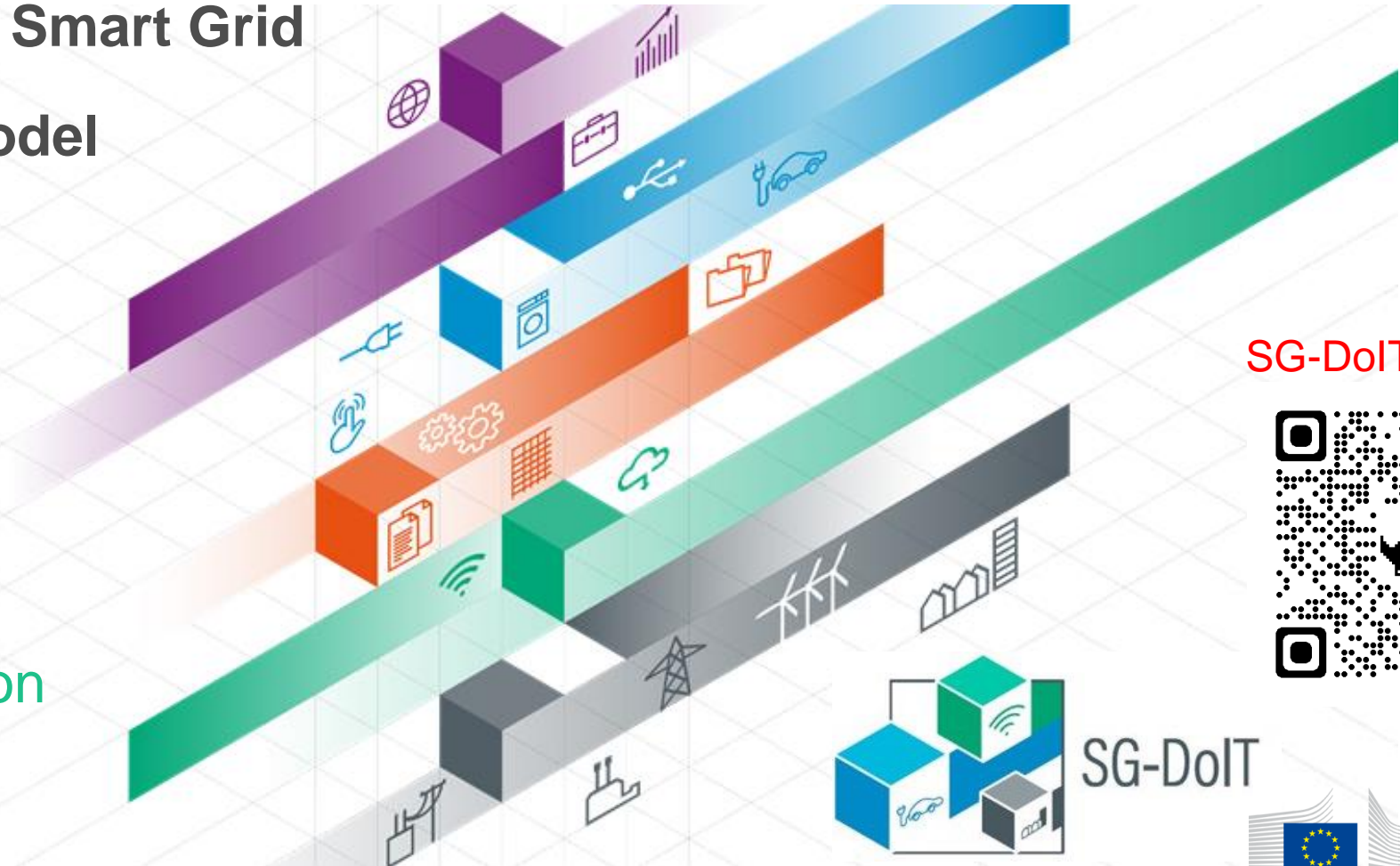
Business

Function

Information

Communication

Component



SG-DoIT website



SG-DoIT

Thank you, have a fruitful workshop ... and let's keep in touch



© European Union 2022

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.



EU Science Hub <https://joint-research-centre.ec.europa.eu/>



@EU_ScienceHub



EU Science Hub – Joint Research Centre



EU Science, Research and Innovation



EU Science Hub



@EU_science