

IHE- A Role Model for Industry, Energy, Automotive, and Other Sectors

Dr.-Ing. Mathias USLAR

Senior Principle Scientist, OFFIS – Institute for Information Technology

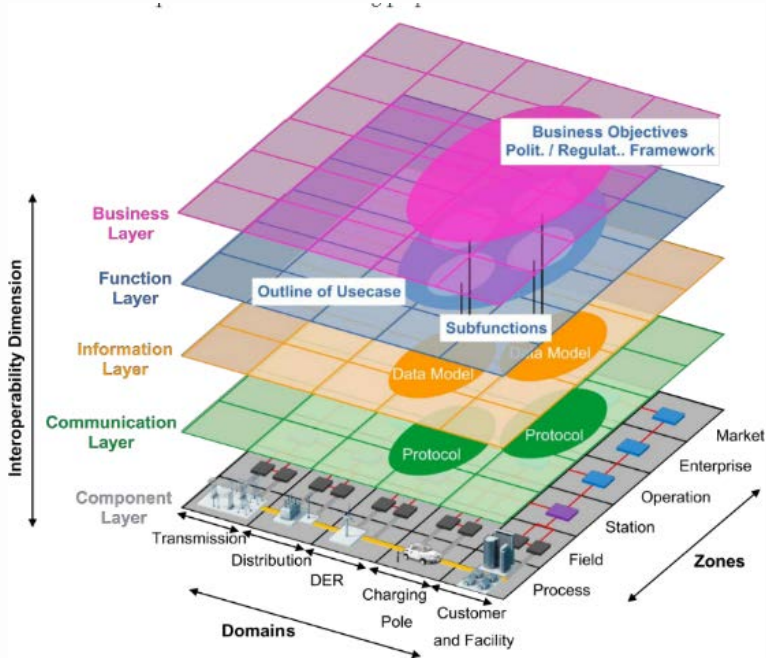
IHE Europe Connectathon – The Hague – 17.04.2018

Others sector have problems, too

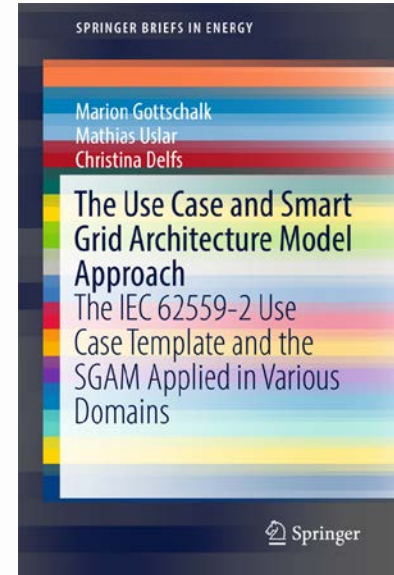
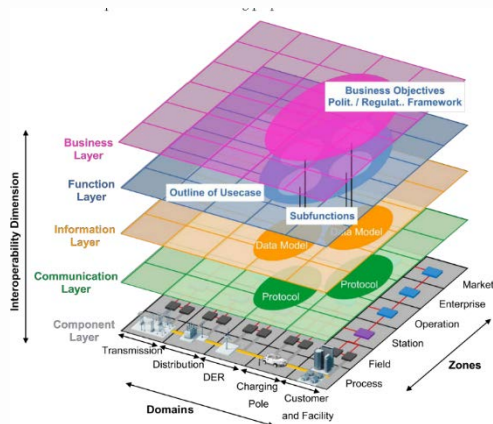
TECHNICAL INTEROPERABILITY

HOW CAN THIS TOPIC BE ADRESSED IN OTHERS DOMAINS?

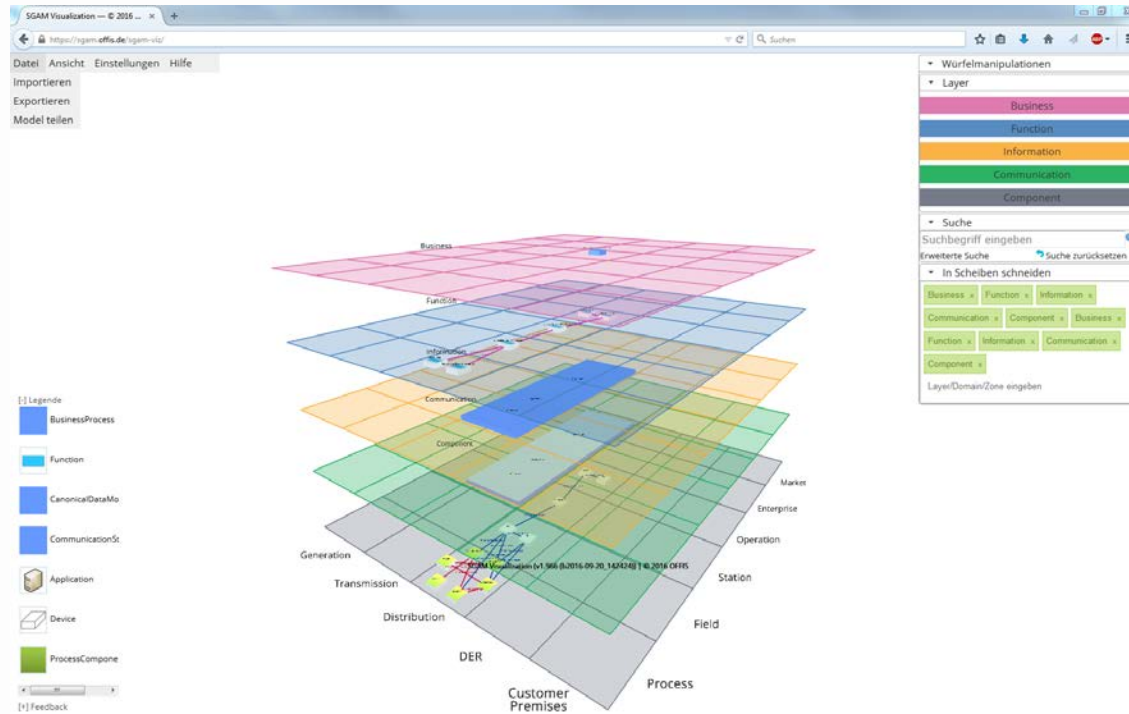
The SGAM – Smart Grid Architecture Model

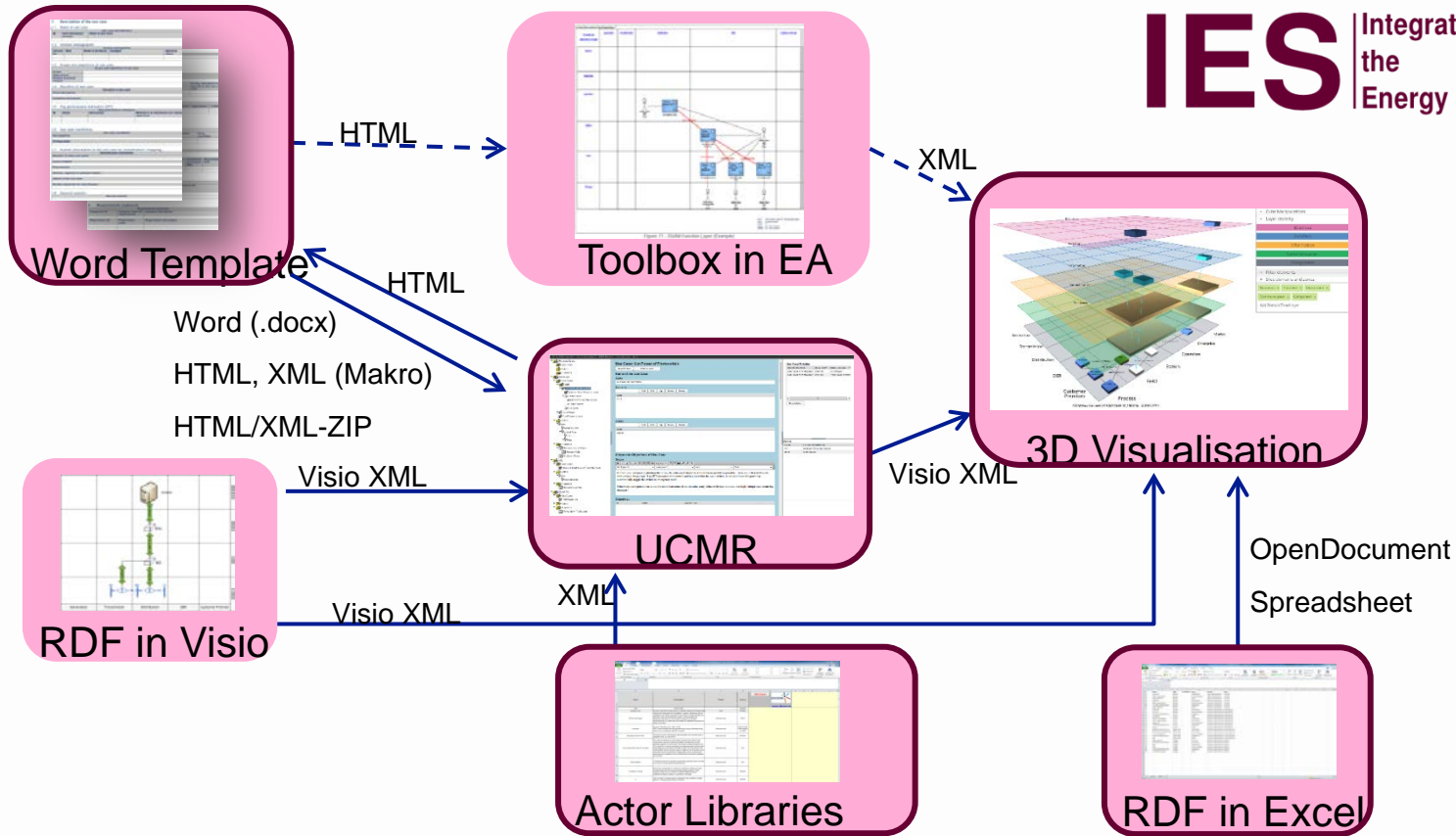


M/490 work in the energy sector



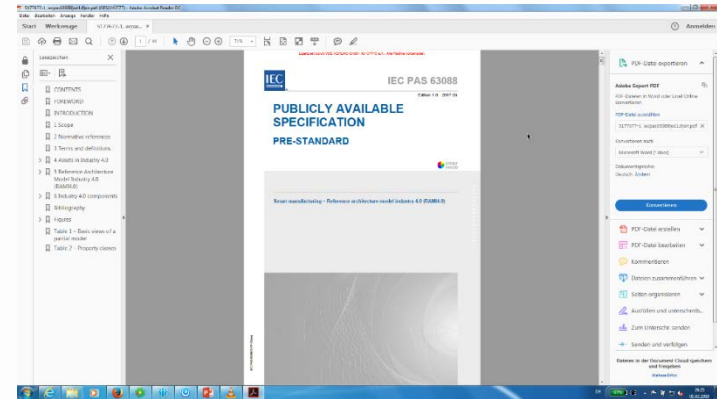
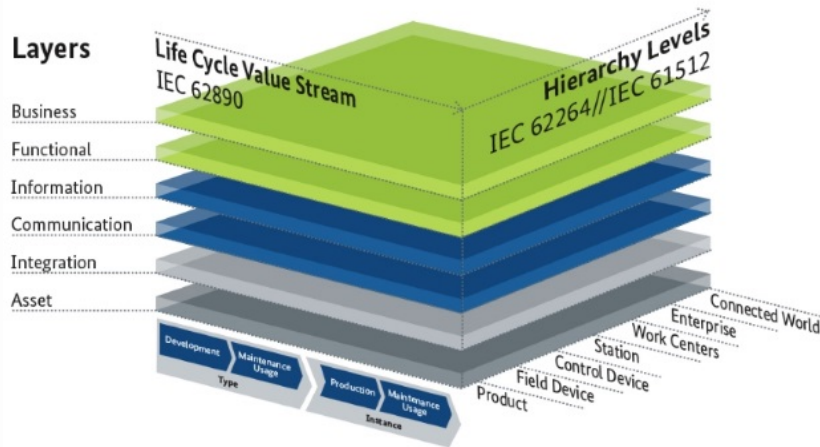
Tooling



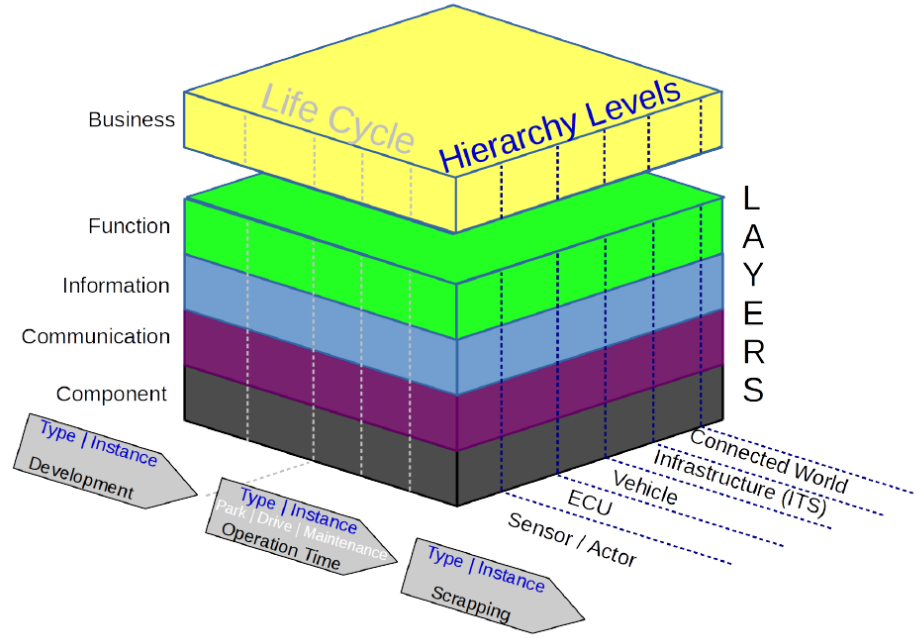


RAMI 4.0 - Industrial Automation

Referenzarchitekturmodell Industrie 4.0 (RAMI 4.0)



RAMA - Automotive



But still....

- The missing block is the consistent definition and testing of interfaces – they are documented for implementation purposes, but not suitable for testing
- A lot of protocols exist and have to be dealt with
- With emerging functions, even the set of functions to test for must be developed and motivated

Further Information on IES

- **Integrating the Energy System Website**
www.iesaustria.at
- **IES Webinar**
<https://www.etip-snet.eu/events/etipsnet-webinars/>
- **Technical Framework Virtual Power Plant**
<https://www.smartgrids.at/files/smartgrids/TF-VPP.pdf>
- Frohner, M., Gottschalk, M., Franzl, G., Pasteka, R., Uslar, M., Sauermann, S., **Smart Grid Interoperability Profiles Development**. IEEE International Conference on Smart Grid Communications; Dresden, 10 / 2017
- Franzl, G., Reif, V., Berger, A., Frohner, M., Gottschalk, M., Koch, G., **Interoperabilität im Datenaustausch der Energiewirtschaft – Vom Use Case zum Test der Integrationsprofile**. 15. Symposium Energieinnovation 2018; Graz, 2/2018, ISBN: 978-3-85125-586-7, DOI: 10.3217/978-3-85125-586-7.

Get in Contact

IES | Integrating
the
Energy System



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