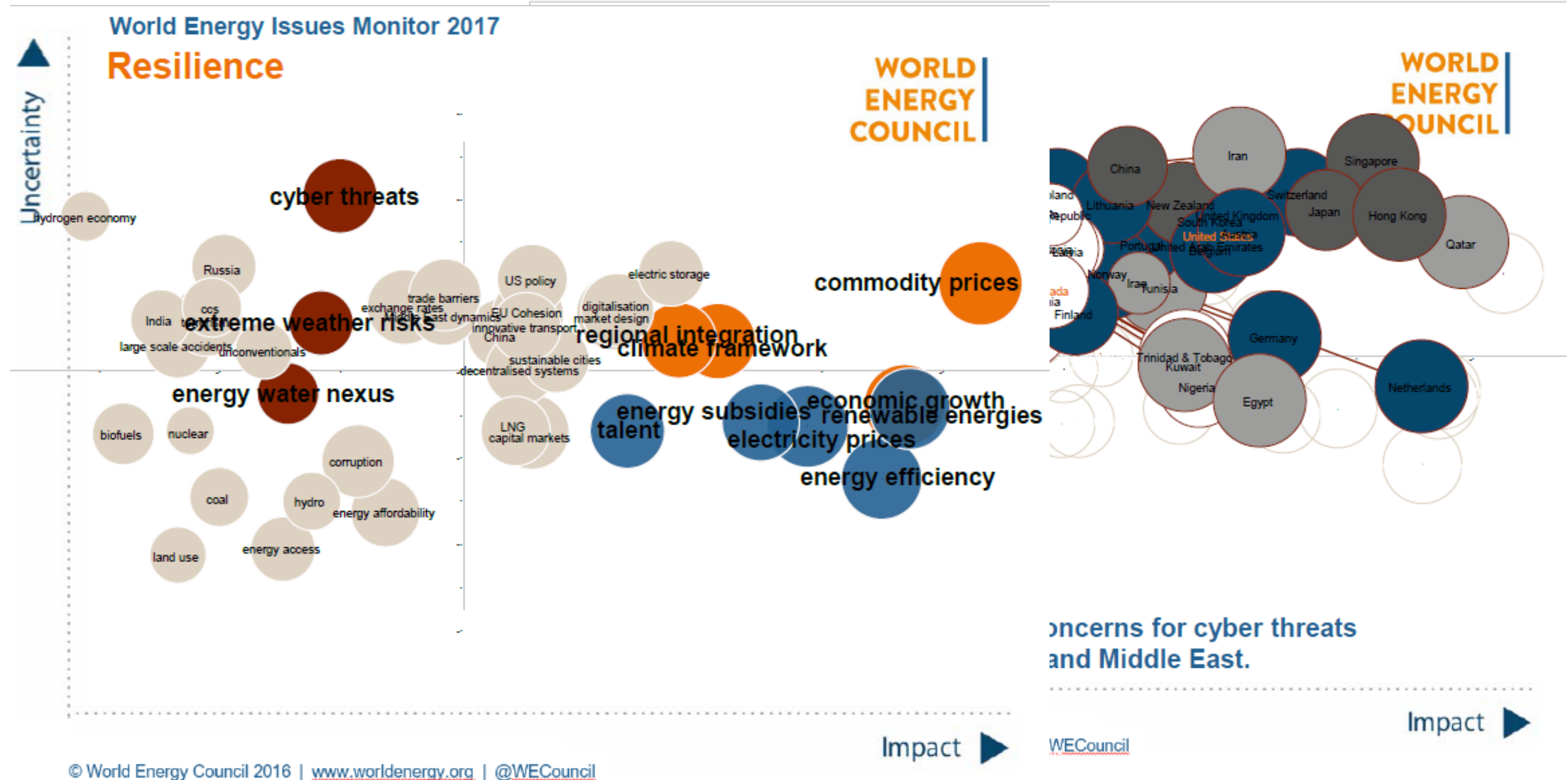


How regulation can help to overcome trust challenges in the energy transition

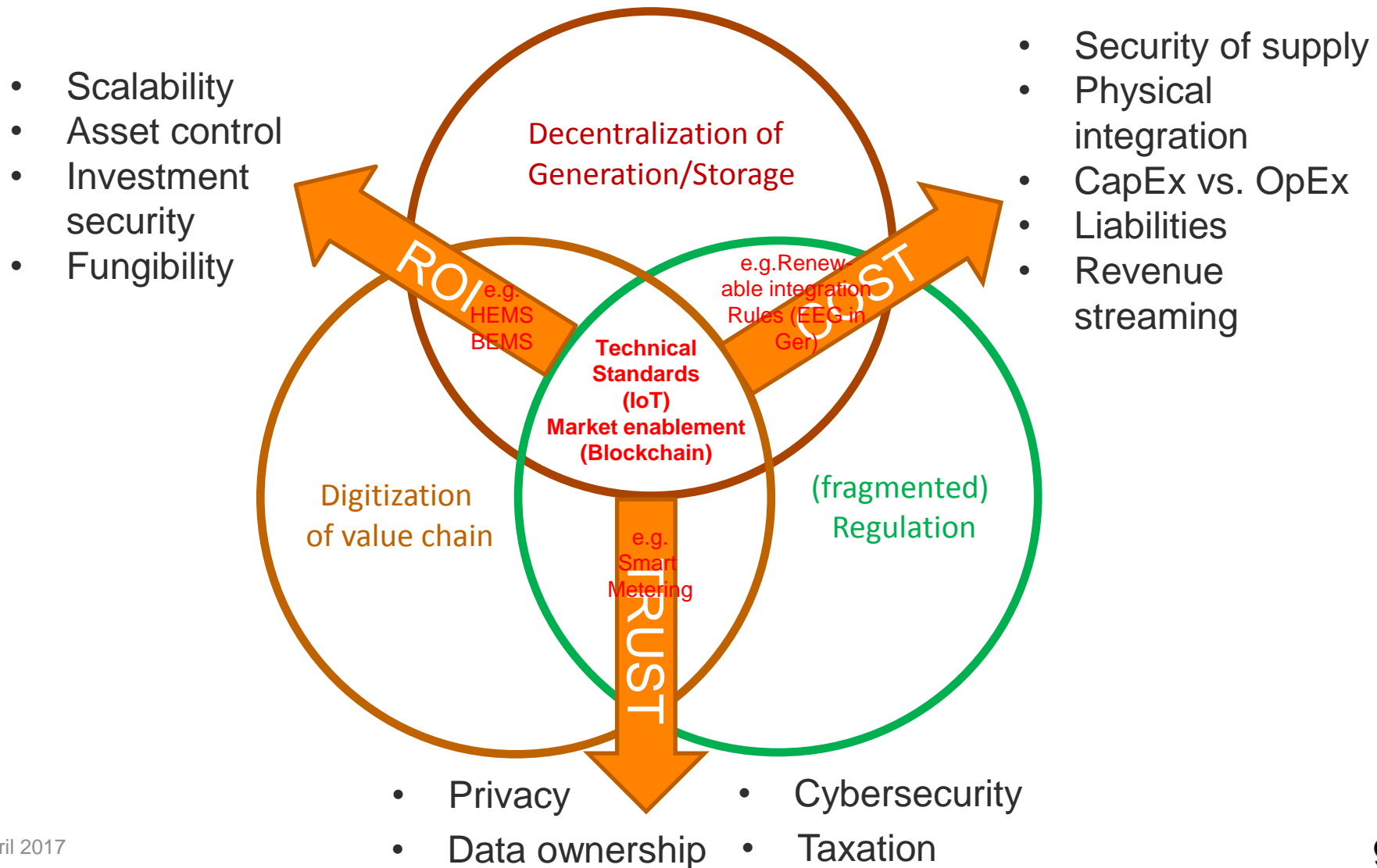


Thomas Weisshaupt, Director Smart Energy and IoT
Paris, 05 April 2017

The Managers in most OECD nations have different nightmares....but let us talk about enablement



Trust challenges require special focus based on policy goals and innovation needs



Focusing on trust topics – some learnings of past years

1. Smart Regulation around (Cyber)security, Privacy and Standards are foundation and not blocker of market enabling and innovation
2. Frameworks and rules around cybersecurity, privacy and Standardization should aim to become global – Interoperability and scalability will bring down the cost
3. There is no killer-application for digital energy markets - maybe IoT is the „Killer-Infrastructure“ in which all components require an ID (strong identification) and a drivers licence (certification)
4. To make citizens participate in revenue streams, natural monopoly for target market designs requires a re-definition
5. Blockchain and other small ticket transaction models are key for service providers to invest in interoperable and scalable business models
6. Collaboration between industries, nations and standard bodies with a clear common policy goal on what to regulate and where to build institutions is key
7. Transforming while performing is a huge challenge which can be facilitated with 1.

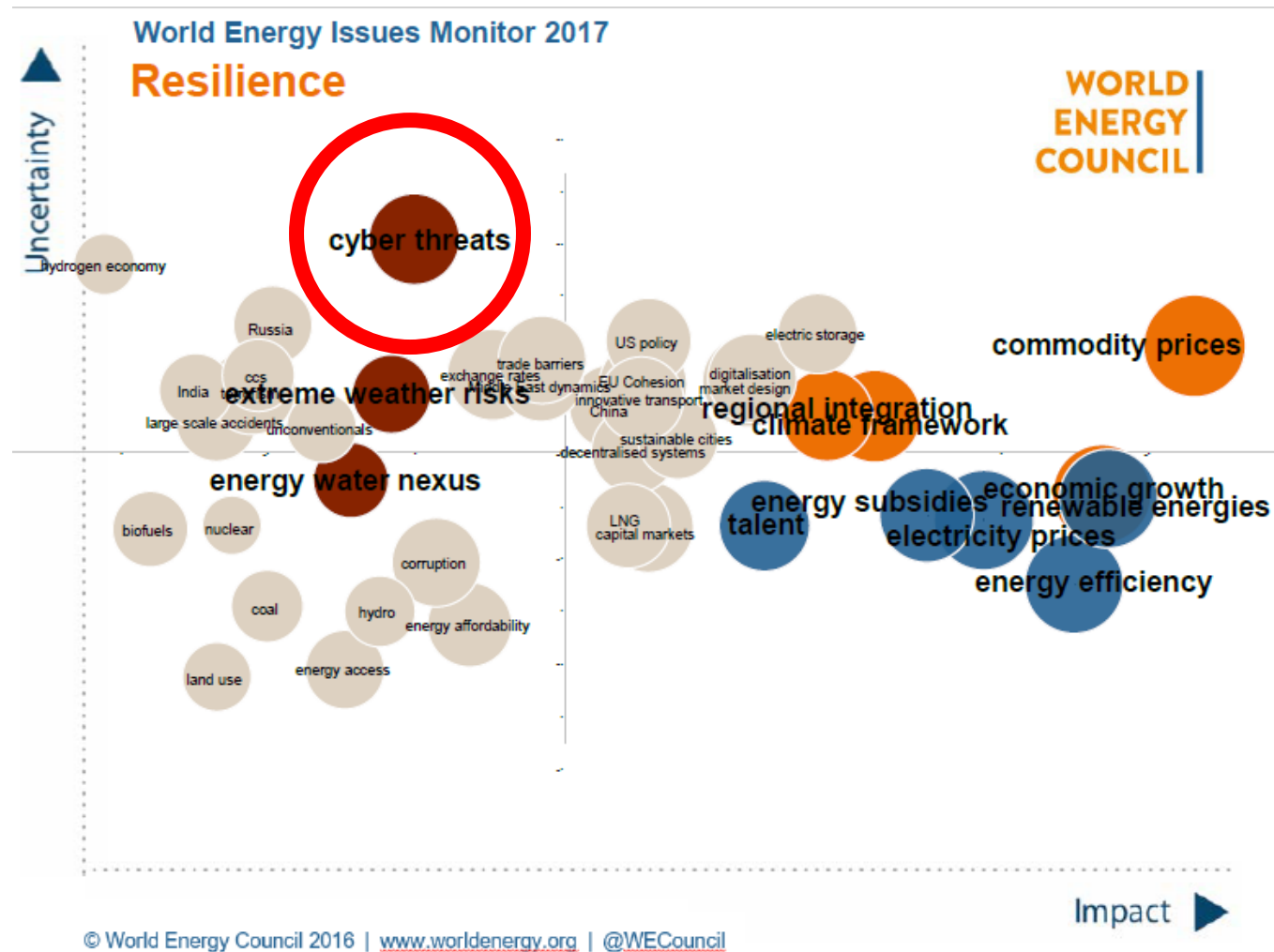
Backup

World energy council acknowledges change

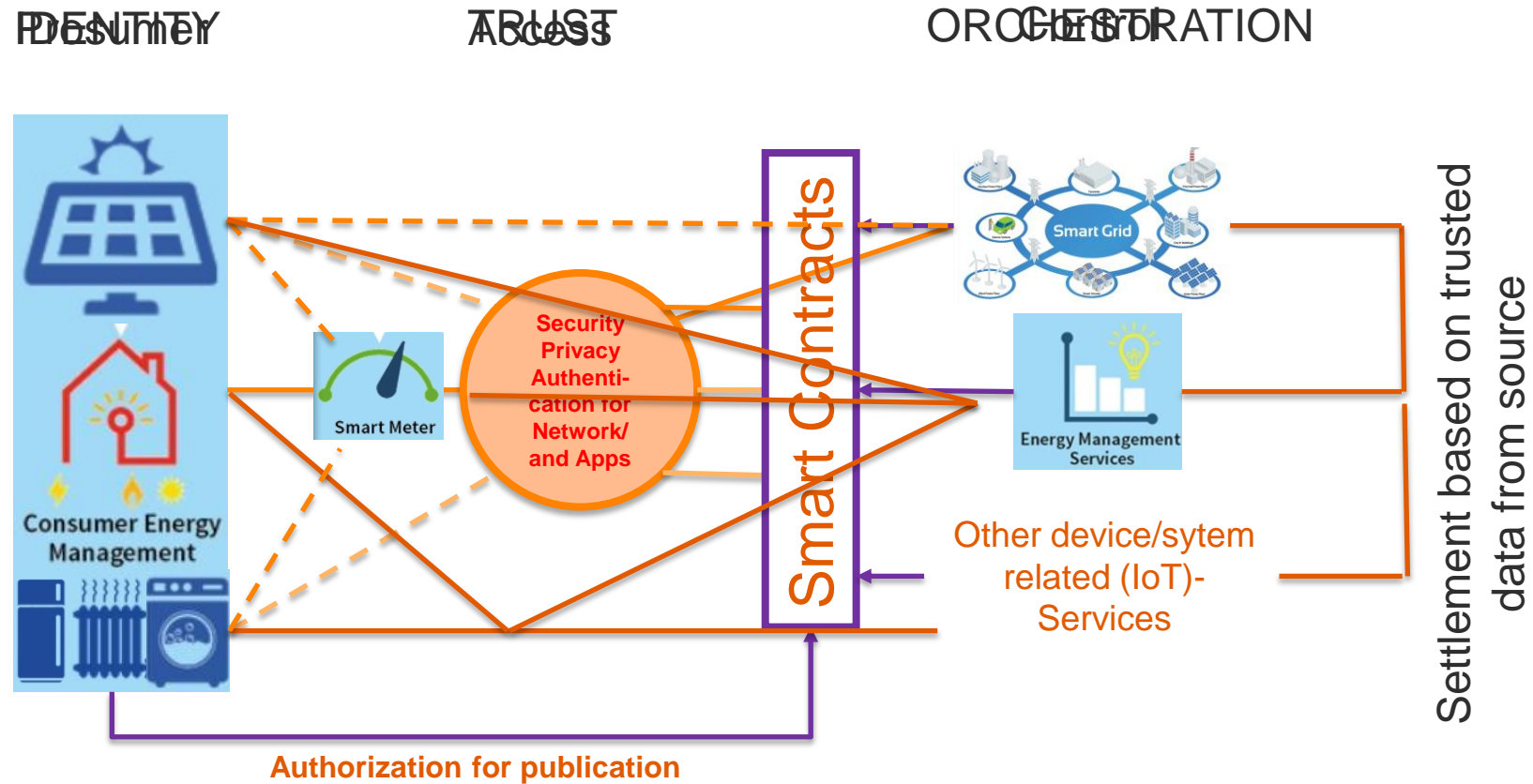
FROM	TO
big plants & upstream	big data & consumer
high entry barriers	low entry barriers
centralised & monoculture	decentralised, cloud & local empowerment
technology experience & operational excellence	data intelligence & service brilliance
burning molecules	leasing capital
long term fixed returns	rapid & flexible pay-back
traditional market design	capacity & storage incentives
acquisition & incorporation	corporate IP venturing
from passive investors & stranded assets	active investors & stranded resources
global brand	local trust

Source: Christoph Frei | Secretary General | World Energy Council @Eventhorizon2017, Vienna Feb 2017

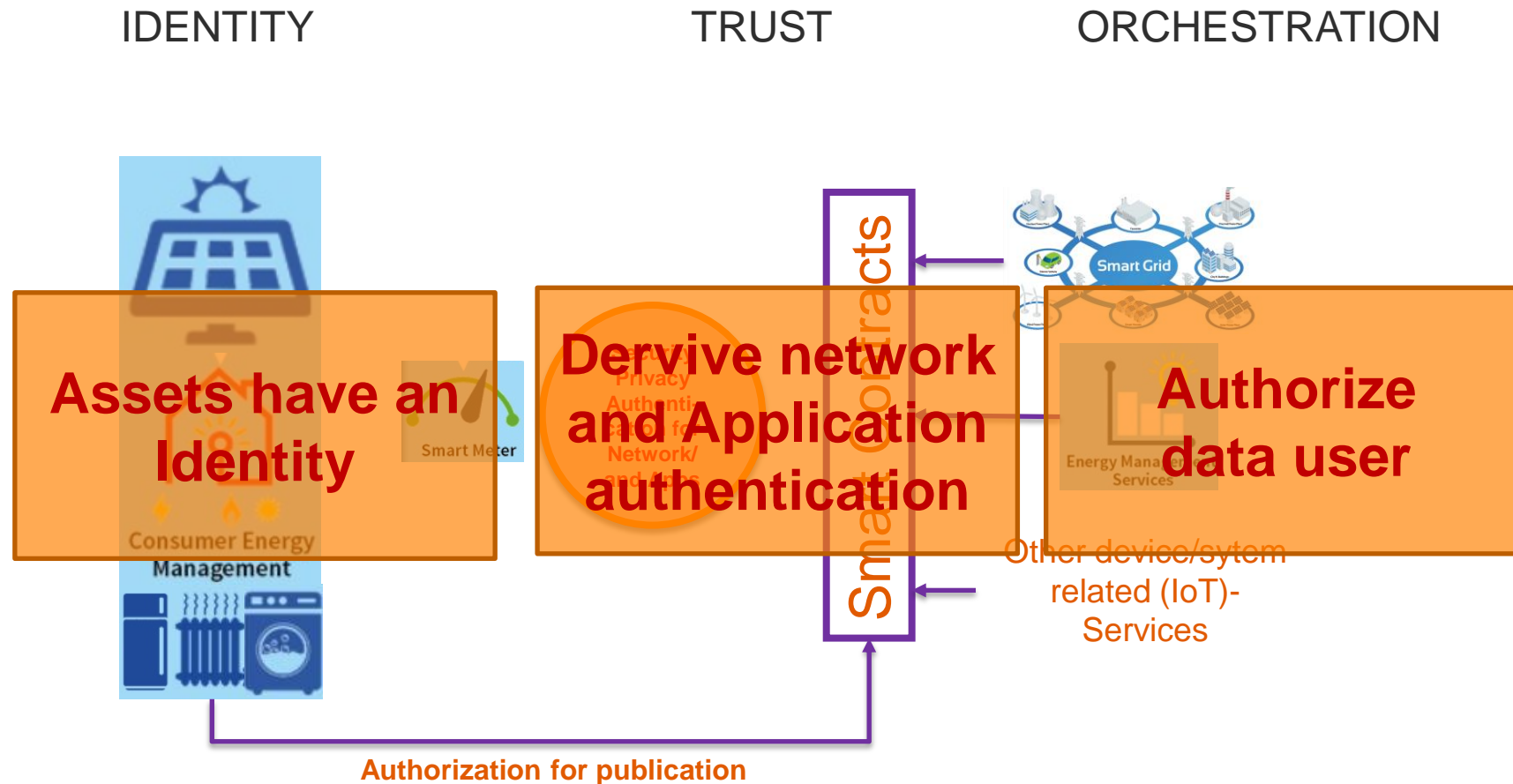
What keeps utility managers awake at night



Going „decentral“ – what is specific in IoT and Blockchain? What should we focus on ?



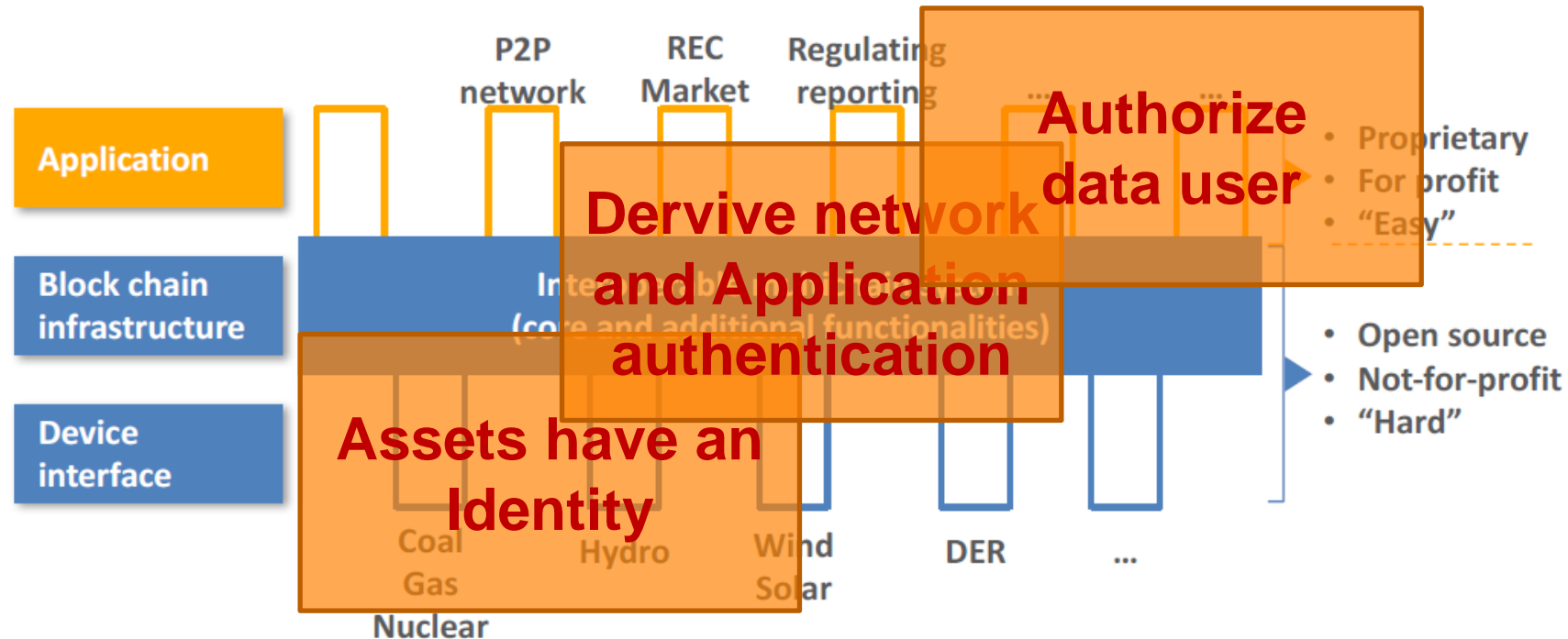
Going „decentral“ – what is specific in IoT and Blockchain? What should we focus on ?



How do we get there ? ...only together !



Nobody should “own” the technology
Owning applications is fine – not the shared infrastructure



Source: Hervé Touati | Managing Director | Energy Web foundation @Eventhorizon2017, Vienna Feb 2017