

Smart (urban) Mobility

Verena Ch. Ehrler

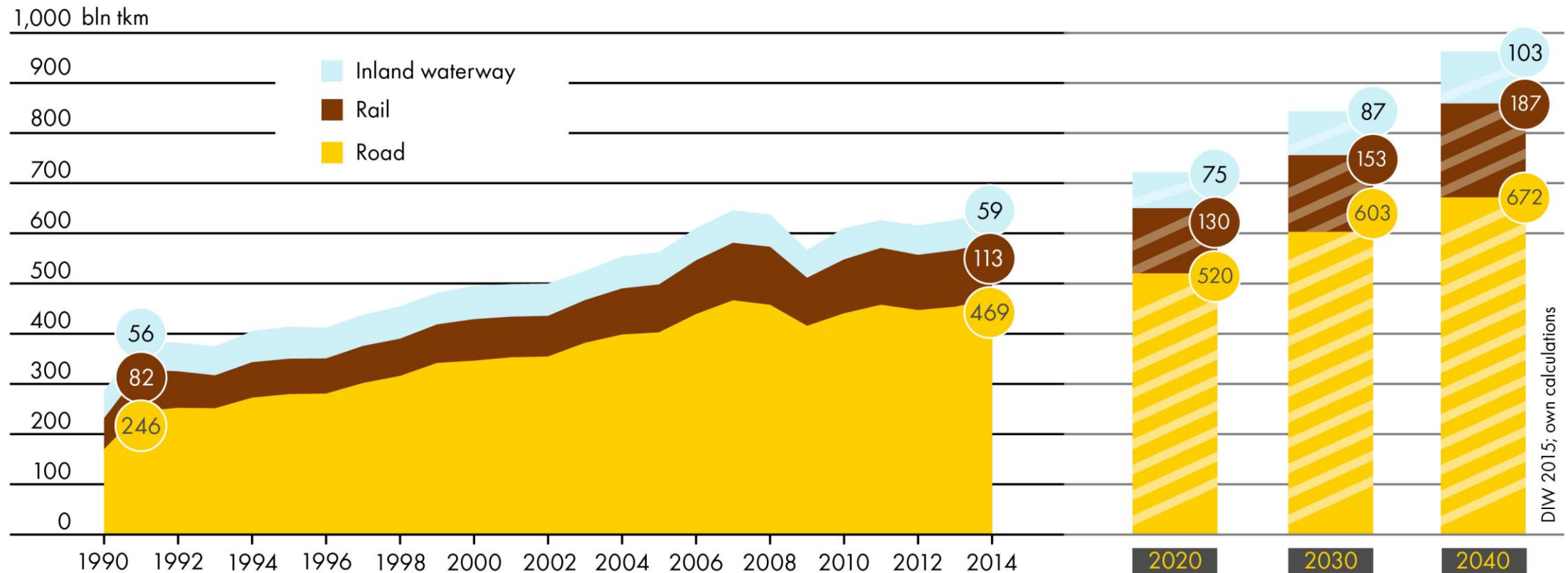
DLR Institute of Transport Research / IFSTTAR

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(urban) mobility demand is increasing and no end is in sight

THE RTO INNOVATION SUMMIT

Transportation demand development and forecast until 2040, example Germany



but what is really smart

improving

- efficiency
- connectivity
- convenience
- availability
- velocity
- usability
- sustainability
- life quality

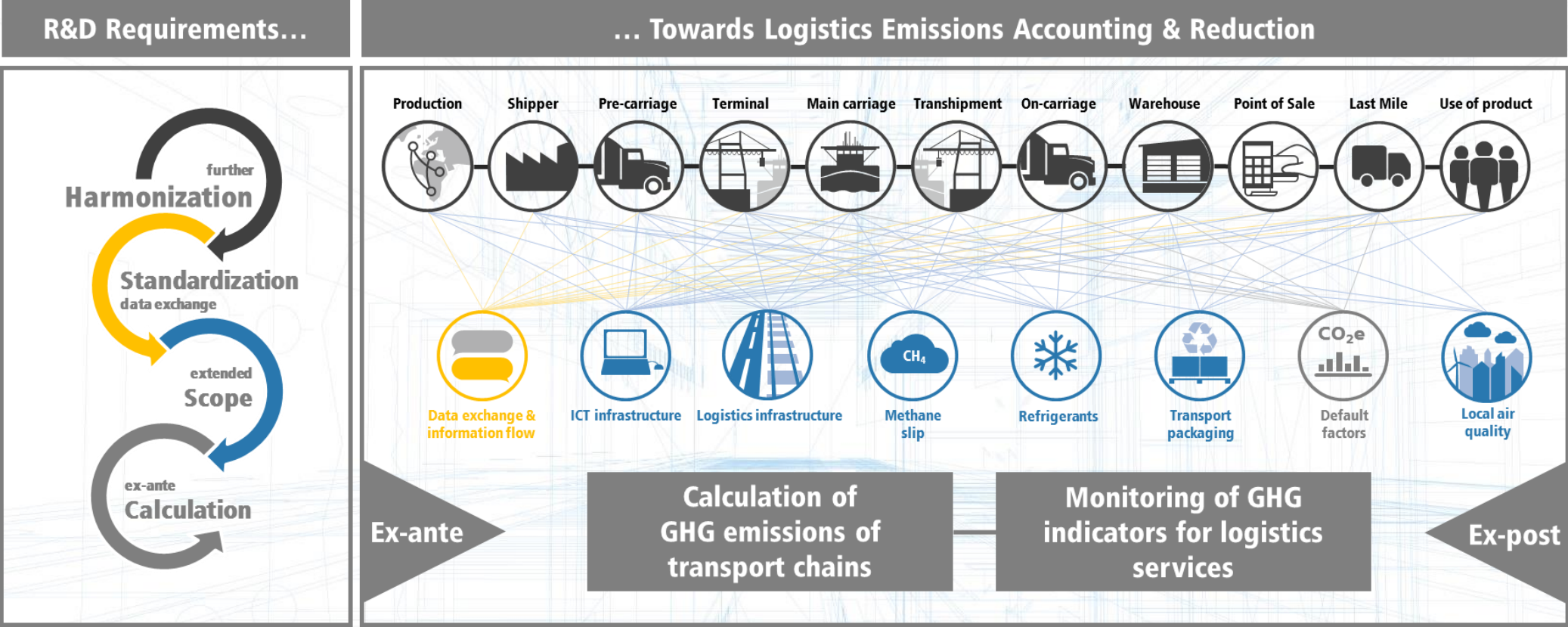


smart mobility applications

- local emission free propulsion systems
- efforts for standardised emission calculation and reporting
- intelligent access systems
- changes in policies and regulation
- promotion of public transport, cycling and walking
- introduction of „job-tickets“
- dynamic parking management systems
- intelligent routing software
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we are still working on fully understanding the impact of our transport system



- Still varying levels of calculation "maturity" exists
- No common data format / exchange protocol / platform
- Focus on material flow; information flow and ICT infrastructure excluded
- Emphasis on greening of transport and logistics

important questions that need to be addressed for smartening up urban mobility

- avoid a system lock-in
- **develop** truly new **mobility concepts**, not just replacements for individual technologies
- develop **transition plans**
- **data transport** is a form of transport; its **energy use needs to be taken into account** when considering alternative solutions and concepts
- make the problem of **data protection** a priority and **integrative part of innovative mobility concepts**
- **define what is really smart for us**



contact

Verena Charlotte Ehrler

verena.ehrler@dlr.de / verena.ehrler@ifsttar.fr