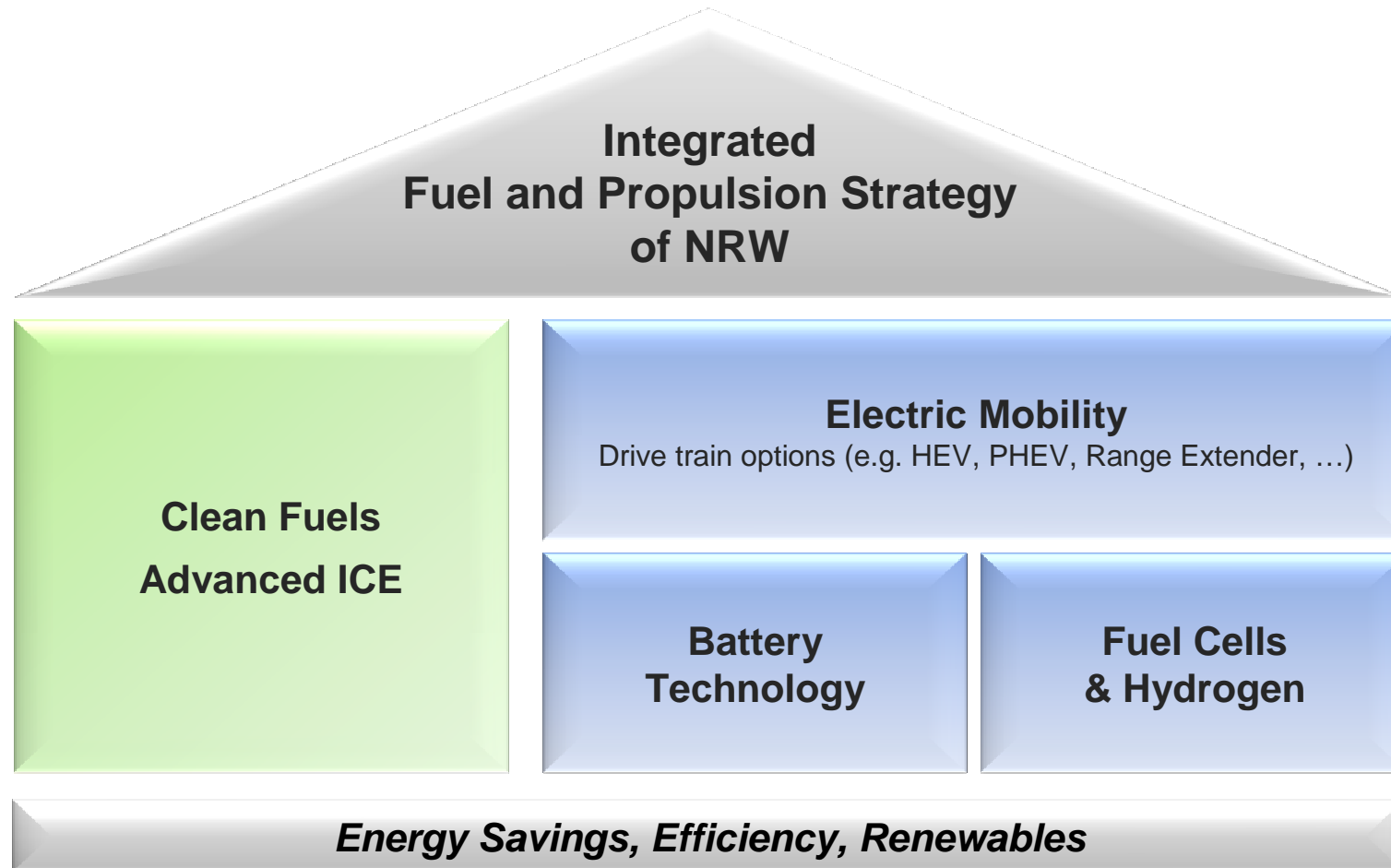




Electric Mobility in North-Rhine Westphalia

Rainer van Loon
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NRW Strategy on (Electric) Mobility

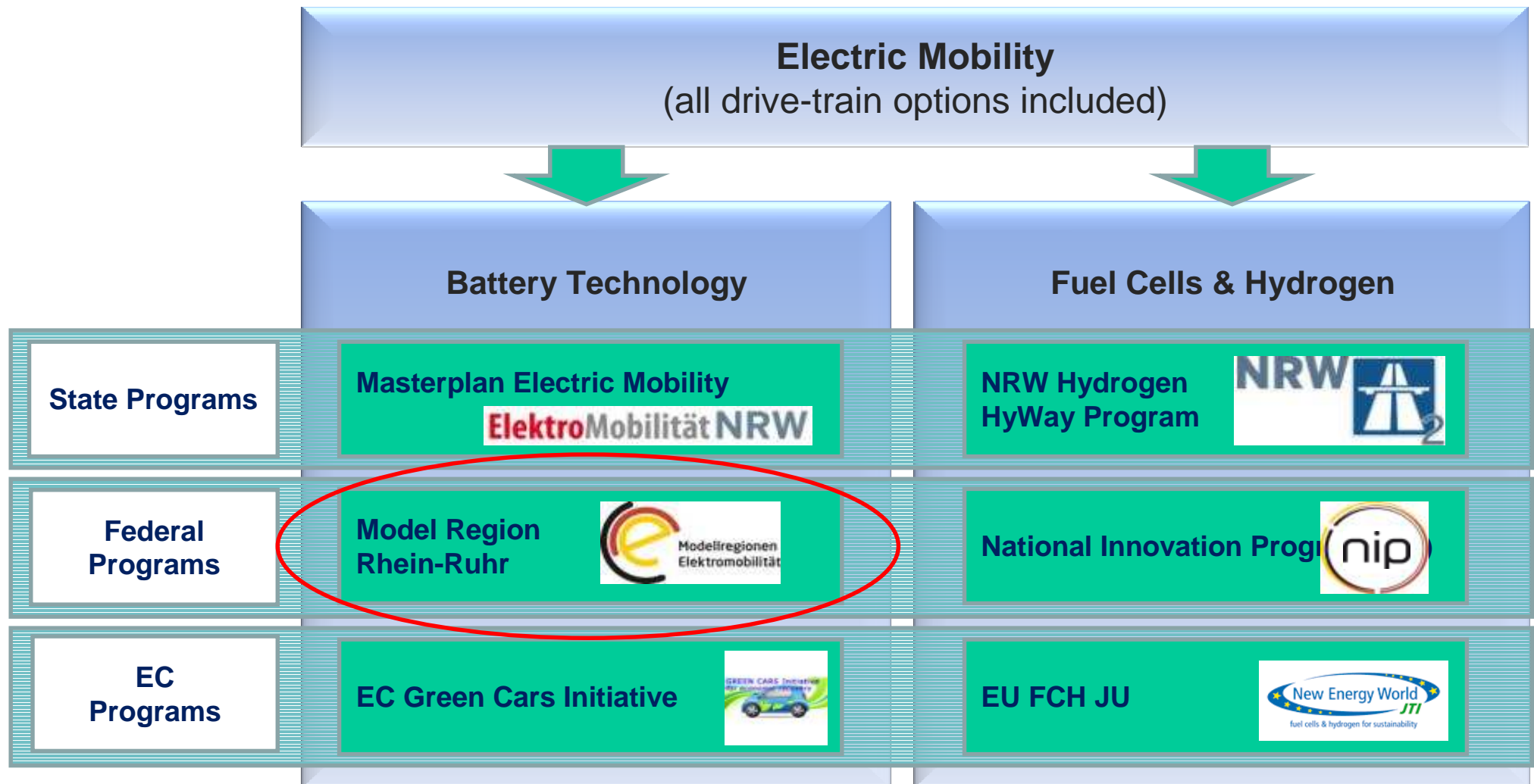


NRW Objectives for Electric Mobility

- Establish North Rhine-Westphalia as the first broad model region of Europe for electric mobility and launch of approx. **250,000 sustainable electrified vehicles** to market until **2020** (German goal: 1 million vehicles)
- Increase the market share of **NRW suppliers** on the German market on the pathway from the combustion engine to the electric drivetrain
- Settle **new automotive manufacturers** in North Rhine-Westphalia



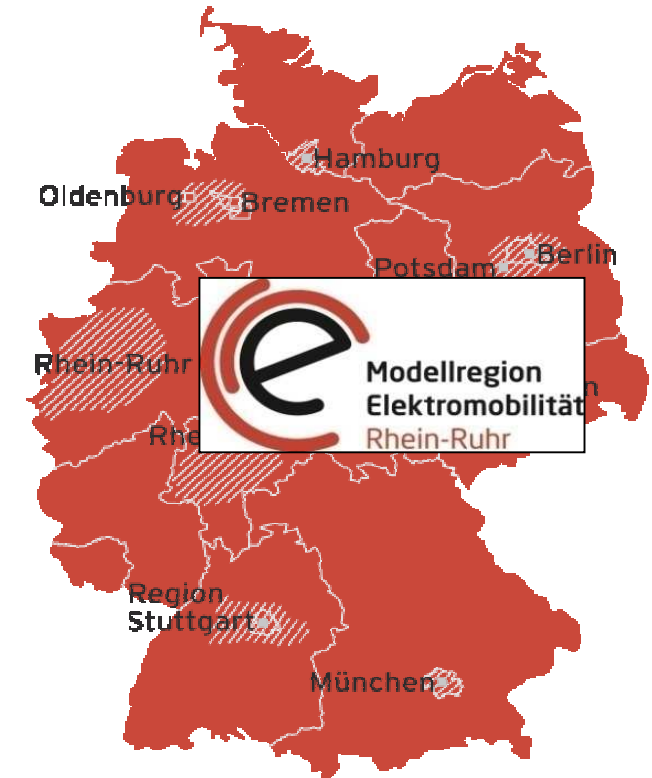
NRW's Involvement in Electric Mobility Programs



Demo Programs – Model Region Rhein-Ruhr

Technical Objectives:

- Demonstrate and evaluate technical status of current electric mobility
(vehicles, recharging, infrastructure, grid access, ...)
- Perform field trials and gain experiences with electric mobility in every day use
(acceptance, obstacles, motivations, ...)
- Test intermodal transport solutions



The demo program should guide further R&D programs and give first robust indications of today's technology.

Gefördert durch:



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des Deutschen Bundestages

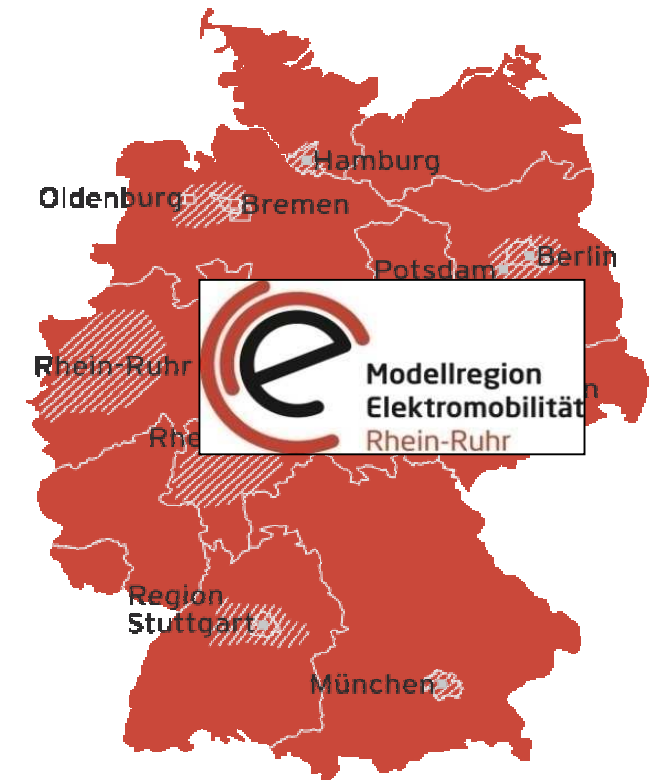
Demo Programs – Model Region Rhein-Ruhr

Strategic / Political Objectives:

- Align ongoing and up-coming NRW funding programs with other regional and national activities
- Benchmark own activities
- Initiate further cooperations with partner regions
- Benefit from experiences in other regions

The program should provide answers on

- the potential of electric mobility for the improvement of both the transport and the energy sector
- opportunities for international cooperation and benchmark (e.g. via EV 20)

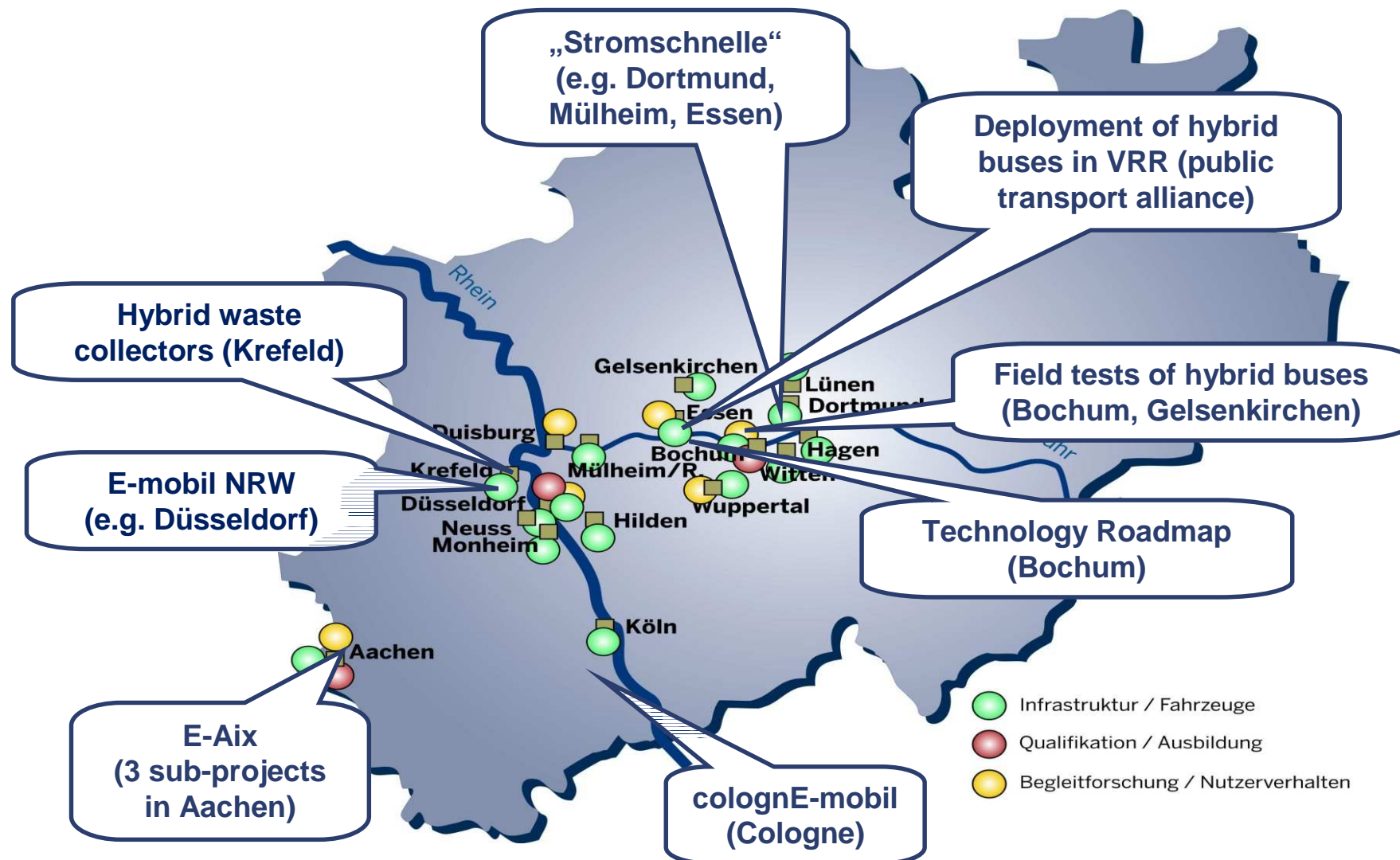


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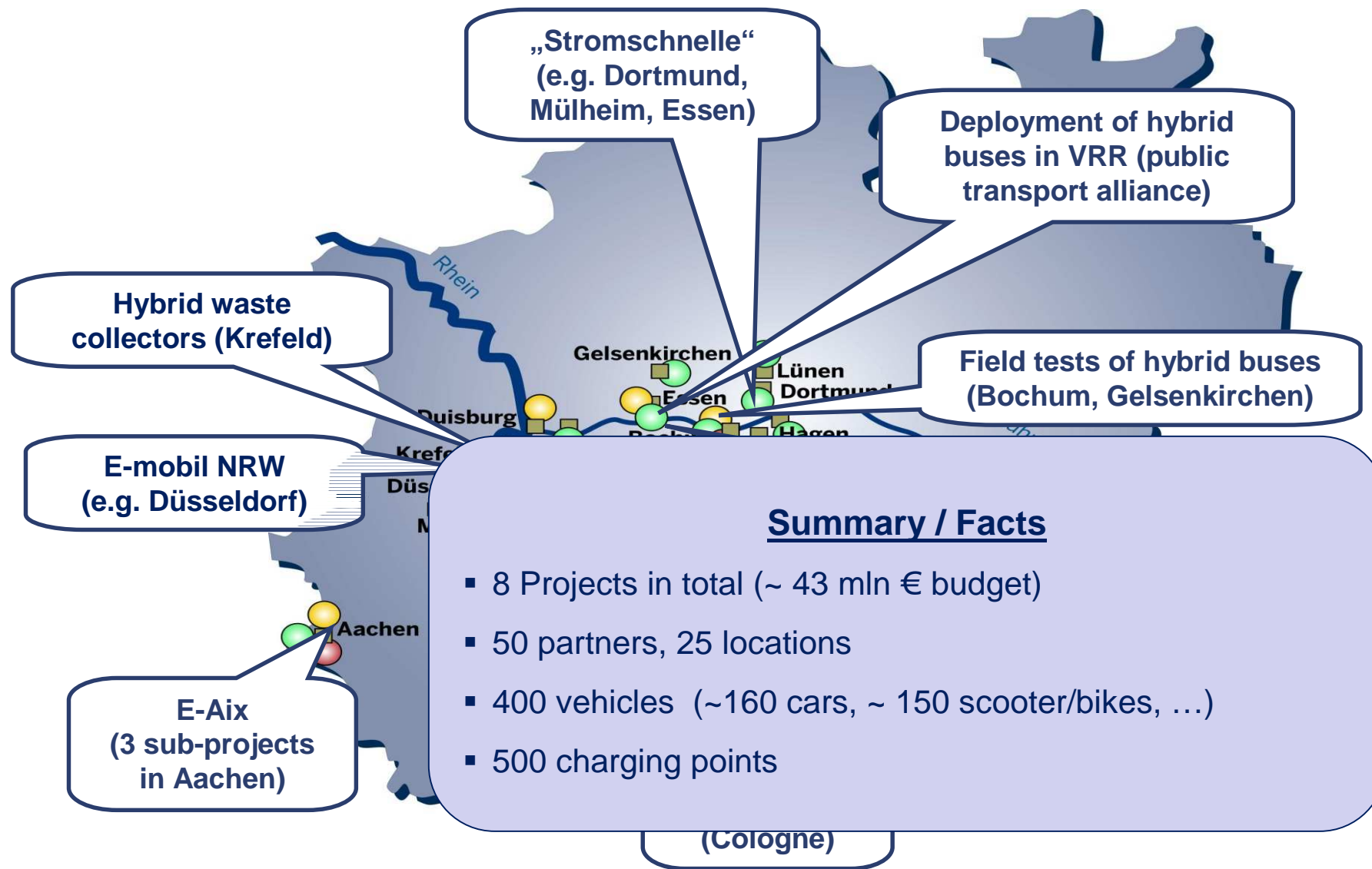


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Demo Programs – Model Region Rhein-Ruhr



Demo Programs – Model Region Rhein-Ruhr



Summary

- Electric Mobility will become an important instrument to achieve ambitious future **energy efficiency and climate protection targets**, because of
 - The increased application of renewable energy sources will require new **technologies for the distribution, storage and use** of energy
 - Electric drive trains offer perfect options to increase the share of **renewable “fuels”(electricity, hydrogen)** significantly
 - Electric vehicle technology offers **significant economical chances** for Germany's automotive industry
 - **Battery and fuel cell technology** are perfectly complementary regarding different drive train applications

Thank you for your attention!

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