



Regulatory Cooperation For Future Technology Innovation

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1. Japanese Automakers Deeply Rooted in EU:

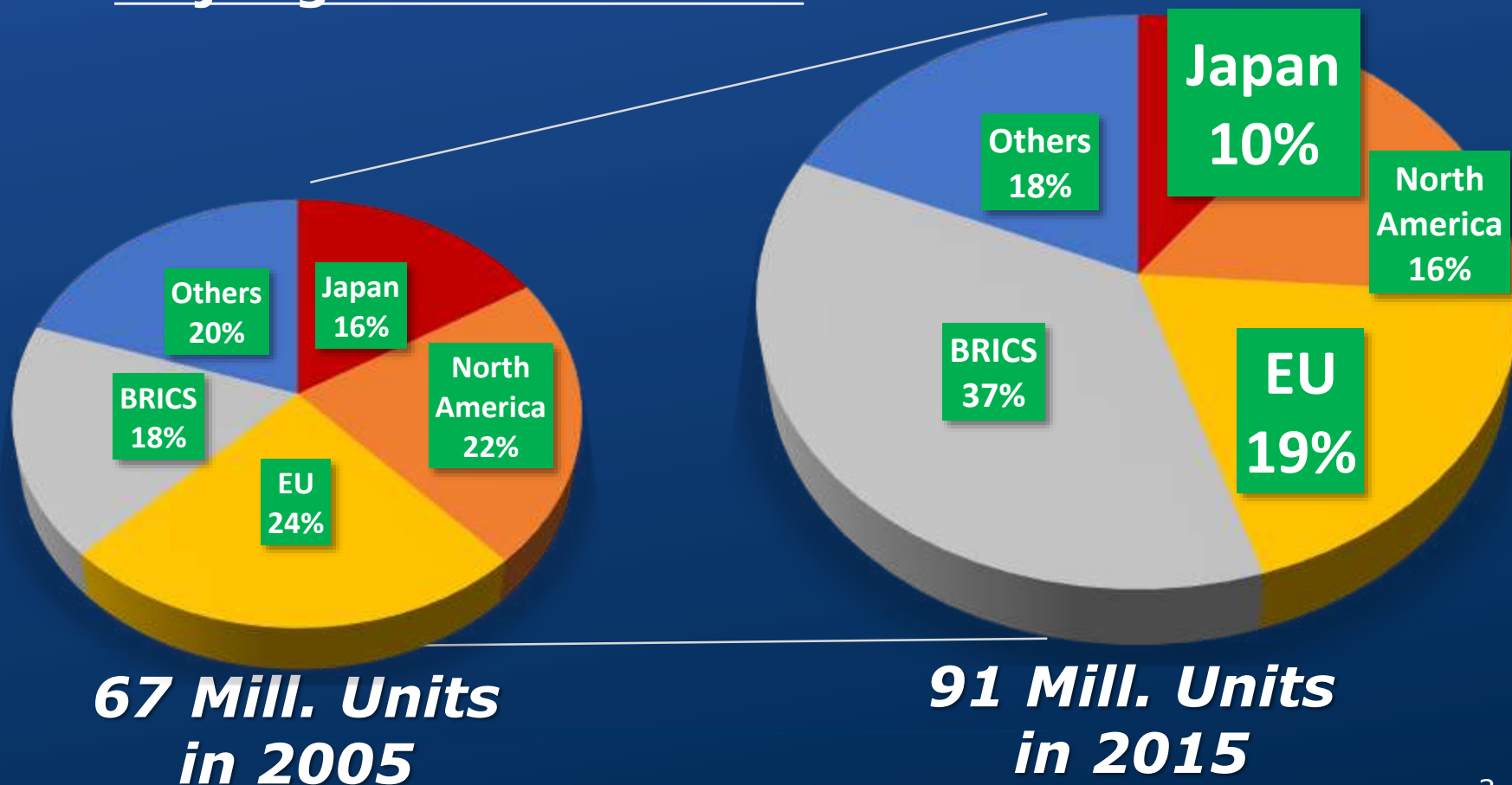
- **Production: 14 plants in 7 countries**
- **R&D: 17 centers in 5 countries**
- **Employment: 162 k people**
- **Two-third of cars sold in EU are made in EU**





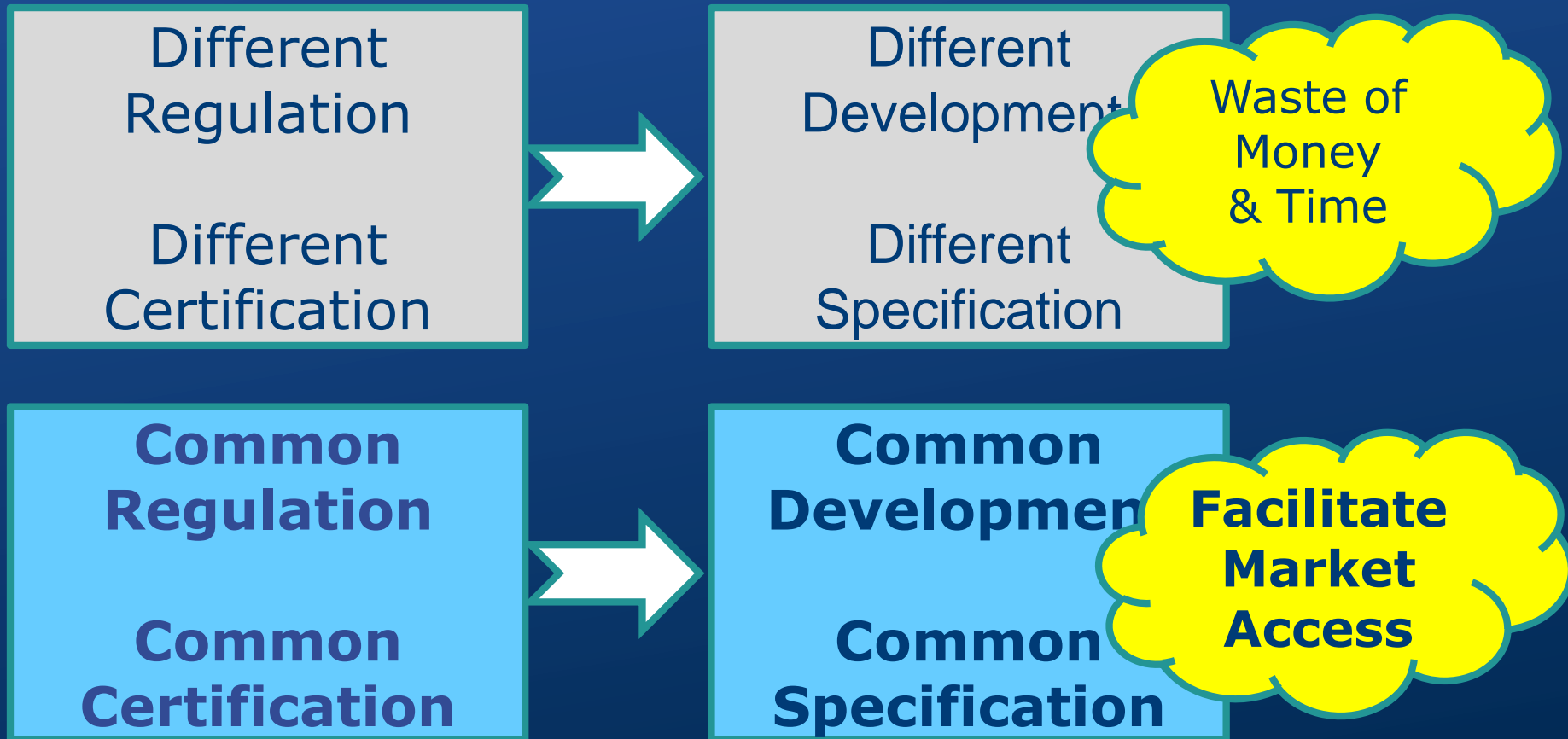
2. Global Vehicle Production

- ◆ Total Global Production increased by 36%
- ◆ EU & Japan together produce 29% of all vehicles.
→ Major global influencers





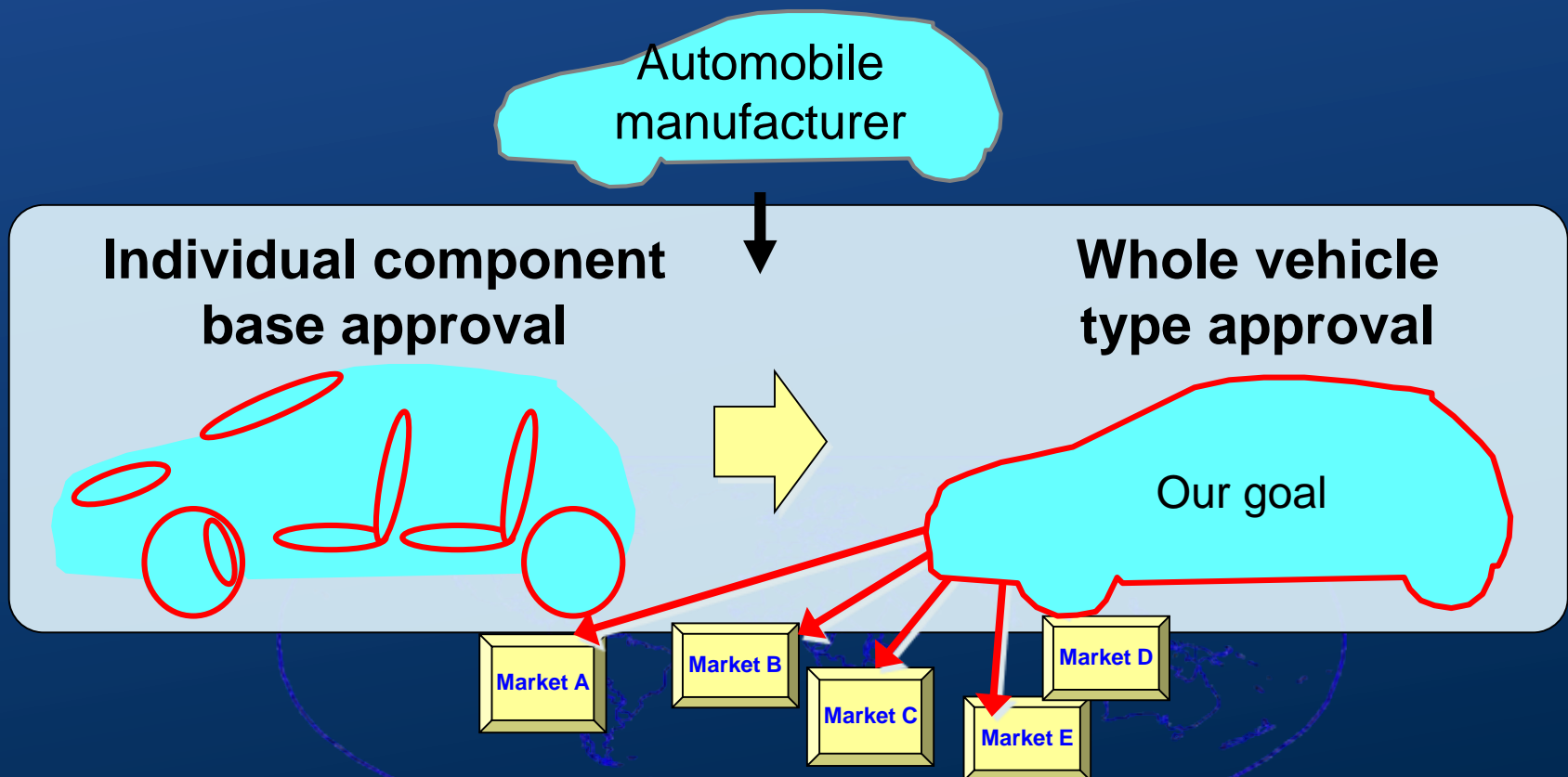
3. Why regulatory cooperation necessary?





4. Initiatives on IWVTA under 1958 agreement

**International Whole Vehicle Type Approval (IWVTA)
under UN 1958 agreement.**





5. Autonomous Vehicle Roadmap

- Step by step deployment of Autonomous technology
- In 2017, Nissan Qashqai will be our first Piloted Drive car for Europe

2016

- ✓ Traffic jam
- ✓ Single lane



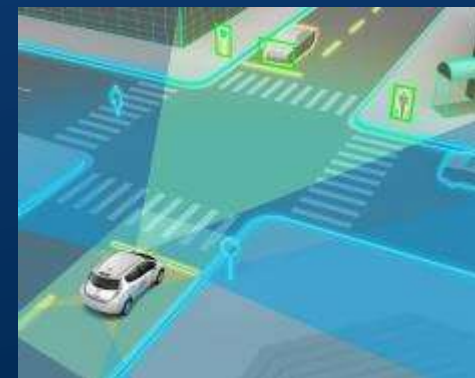
2018

- ✓ Highway
- ✓ Multiple Lane



2020

- ✓ Cities
- ✓ Crossings





6. Regulatory harmonization led by EU & Japan WP29 for Autonomous Drive Introduction

***Co-chaired by
UK & Japan**

***Automated
Driving Group
(AD)**

The United Nations Economic
Commission for Europe (UN-ECE)

World Forum for Harmonization of
Vehicle Regulations (WP29)

General Safety
Provisions
(GRSG)

Passive Safety
(GRSP)

Brakes &
Running Gear
(GRRF)

Pollution &
Energy
(GRPE)

Noise
(GRB)

Lighting &
Light-Signaling
(GRB)

****Automatically
Commanded
Steering Function
Group (ACSF)**

****Co-chaired by
Germany & Japan**