



Ministerie van Economische Zaken,
Landbouw en Innovatie

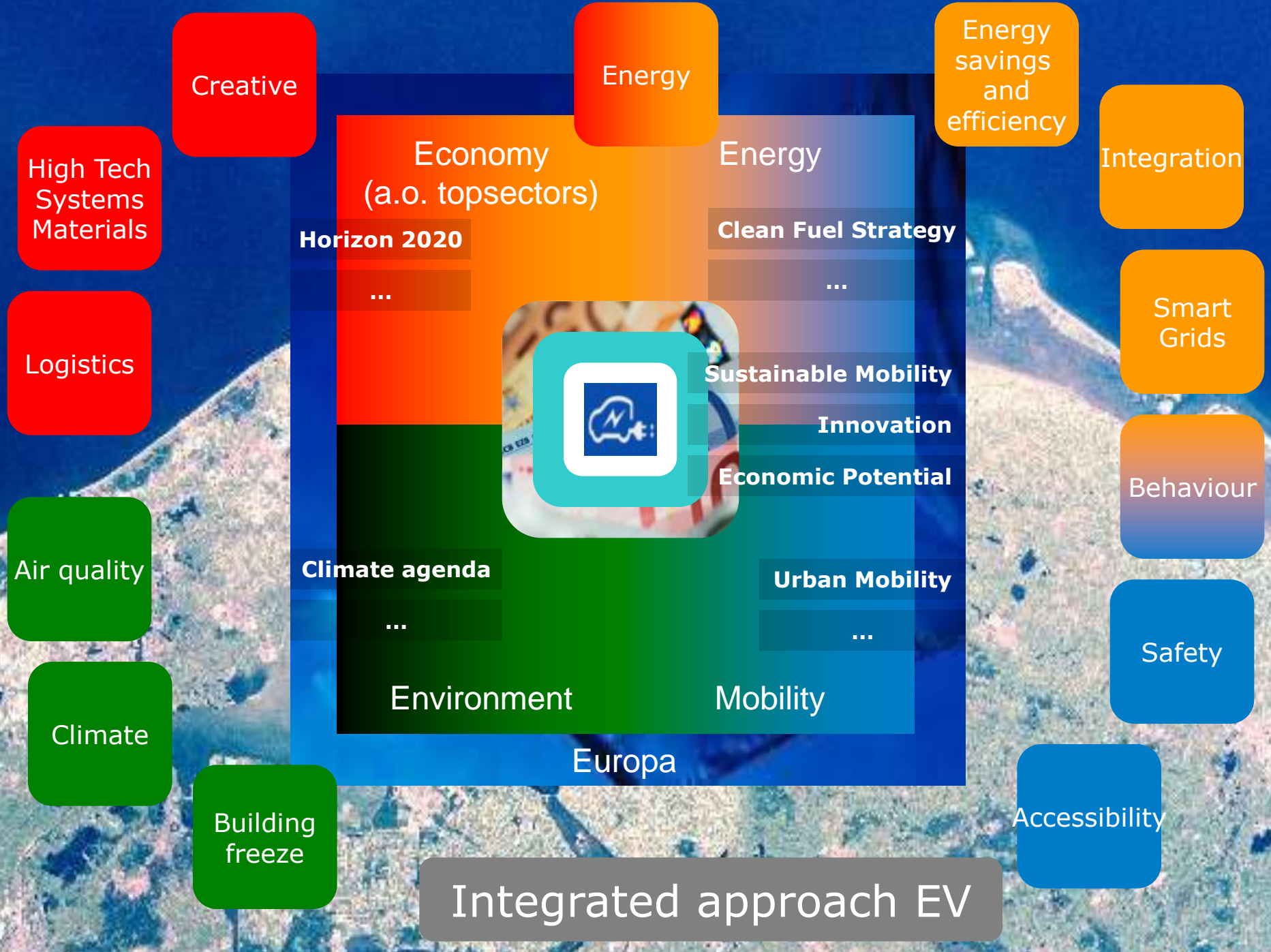
*Electrifying mobility
in urban areas.*

Bert Klerk

*Chairman of the Netherlands
Platform for e-Mobility*

“Het Formule E-Team”

17 September 2013





- Improve Air quality hotspots
- Supporting co-modality
- Stimulate innovation
- Facilitating green economy
- Market renewable energy
- Stimulate energy efficiency
- Experiment with smart grids
- Reduce CO2 emission

Role EV in sustainable mobility

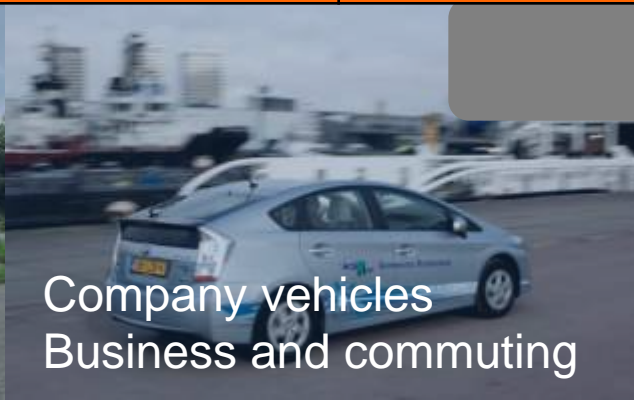


- Private sector: rollout of charging **infrastructure**.
- Government creates **preconditions** & tackles bottlenecks
- Focus on **specific 'urban' areas**.
- Priority promising **marketsegments 'the heavy users'**

Target	Phase	Electric Vehicles (FEV & PHEV)
2012-2015	Pilots	15.000 to 20.000 (30.000)
2015-2020	Scaling	200.000
> 2020	Mature market	> 1.000.000



Logistics and distribution



Company vehicles
Business and commuting



Strategy

Public Transportation

- Fiscal climate
- Adapt rules & regulations
- Guard interoperability
- Support standardization
- Build lead customership
- Support green economy
- Coordinate communication
- Green Deals

National policy



National coöperation

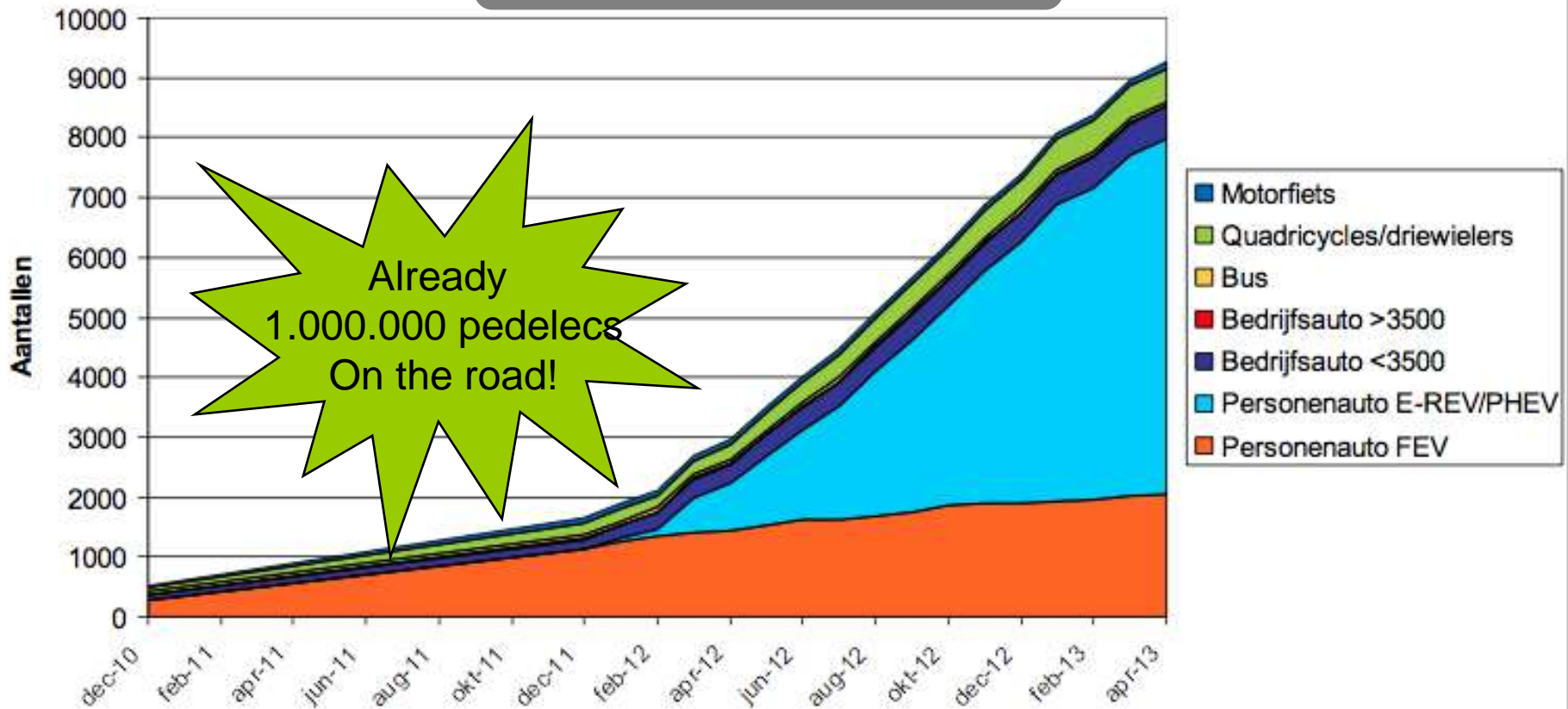


- Green Deals
- Smart Grid Pilots
- Pilots with fleetmanagement
- Tests with E-taxi
- New Mobilityservices
- Smart cities/connected cars
- Hydrogen technology
- EU programmes

To test and demonstrate



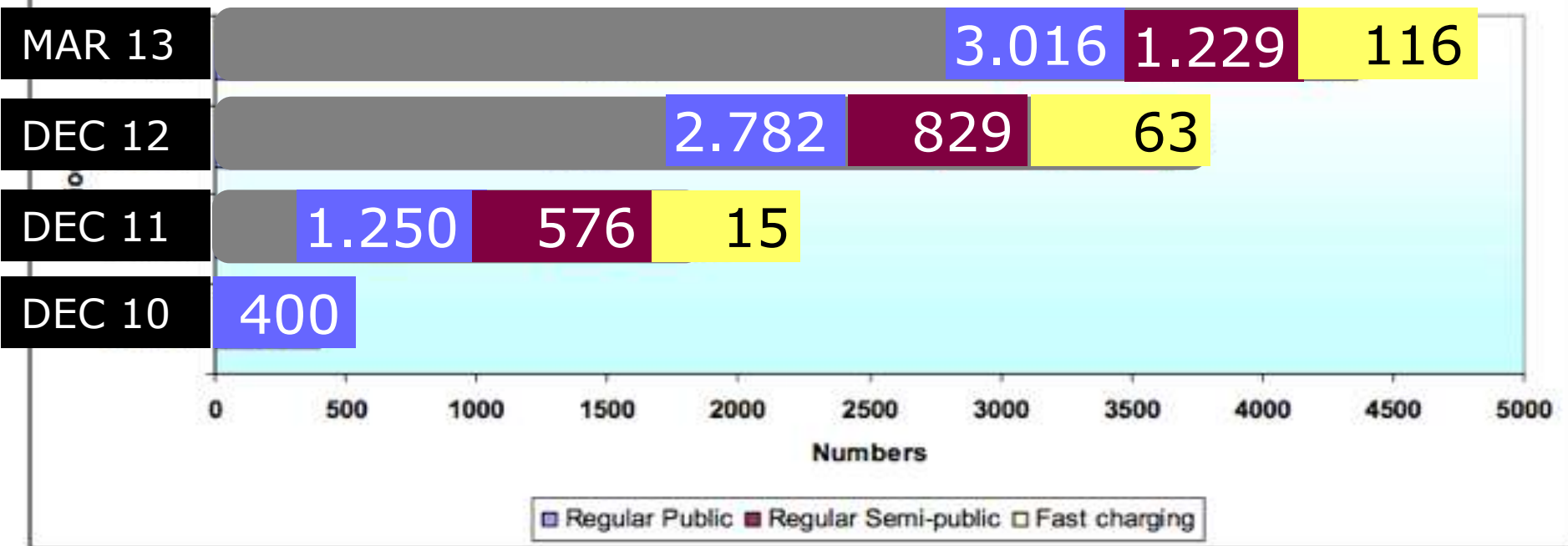
EV sales



	31.12.11	31.12.12	31.03.13	30.06.13	31.08.13
FEV	1.124	1.910	2.009	2.044	
PH/E-REV	17	4.348	5.690	5.928	
Miscellaneous	517	1.152	1.258	1,284	
Total	1.658	7.410	8.957	9.256	

Development in the number of charging points⁵

Development in the number of charging points in the Netherlands





Project Examples



Infrastructure and interoperability
E-laad, Essent, Fastned

Full service providers
The new motion

Vehicles
(e-boat, commercial e-vehicles, e-scooters)
Taxi E, Greenwheels, Car2Go
Zero Emission Bus, Spijkstaal

Automotive NL (Brabant area):
tier 1 suppliers, battery innovation,
electric bus (VDL), test facility EV's

Products & Services
'stichting DOET': e-start ups
Type approval: RDW

Smart grid pilots
10 pilot projects
renewables, EV, smart homes

**WE ARE
HOLLAND
~~A PILOT AREA~~
READY TO
TO MARKET**

- State of the art high tech systems & materials, energy and logistics.
- Experience in testing & finetuning electric driving.
- Know how, networks and resources to market your innovation.
- Result of a qualitative co-operation between research institutes, businesses and authorities.



Added Value



Ministerie van Economische Zaken,
Landbouw en Innovatie

Building ideas into
businesscases!



More information on the web:

formuleeteam.nl

agentschapnl.nl

nederlandelektrisch.nl