EFV Conference 2007 in Germany

14th March 2007

141. Session WP.29

Geneva
Agenda

1. Welcome

2. Background Information
   2.1 1. EFV-Conference Tokyo 2003
   2.2 2. EFV-Conference Birmingham 2005
   2.3 3. EFV-Conference Germany (Dresden) 2007

3. Content of the 3. EFV-Conference
   3.1 Introduction / basic ideas from Germany
   3.2 Exchange of views
   3.3 What can be done by WP.29 (GRPE)?
2. Background Information

2.1 1. EFV-Conference Japan 2003


Chair`s Statement
2. Background Information

2.2 2. EFV-Conference UK 2005

Birmingham, 10.-11. November 2005

Chairman`s Summary
2. Background Information

2.3 3. EFV-Conference Germany (Dresden) 2007

The 3. EFV-Conference 2007 is part of the German G8-Presidency.

Conference date: 19.-20. November 2007

Conference place: Dresden

Conference location: Maritim Hotel - International Congress Center
2. Background Information

2.3 3. EFV-Conference Germany (Dresden) 2007
2. Background Information

2.3 3. EFV-Conference Germany (Dresden) 2007
2. Background Information

2.3 3. EFV-Conference Germany (Dresden) 2007

Expected participants: ~ 300 People

from: Government

Research and Development

Industry

Consumer
3. Content of the 3. EFV-Conference

3.1 Introduction / basic ideas from Germany

Targets:

EF-Vehicles:

Measures:

task of EFV Conference

responsibility of WP.29

responsibility on nat./reg. level

time scale
3. Content of the 3. EFV-Conference

3.1 Introduction / basic ideas from Germany

- **Targets:**
  - determination and weighting of environmental targets

- **EF-Vehicles:**
  - definitions, assessment and market share of EFV’s
  - EFV’s as a tool to achieve the targets

- **Measures:**
  - responsibility on nat./reg. level (e.g. incentives)
  - possible measures as general conditions for EFV concept and support

**time aspect (EFV-steps)**

**Federal Ministry of Transport, Building and Urban Affairs**
3. Content of the 3. EFV-Conference

3.1 Introduction / basic ideas from Germany

Targets:
- CO$_2$-reduction (X1 %)
- fuel efficiency (X2 %)
- reduction of pollutant emissions (X3 %)
- ...

EF-Vehicles:
- biofuels
- CNG / LPG
- further development and improvement of existing engine technologies
- ...

Measures:
- Government support (e.g. tax)
- incentives
- ...

short view terms time scale
3. Content of the 3. EFV-Conference

3.1 Introduction / basic ideas from Germany

**Targets:**
- CO$_2$-reduction (Y1 %)
- fuel efficiency (Y2 %)
- reduction of pollutant emissions (Y3 %)
- …

**EF-Vehicles:**
- Enhancement of the share of conventional biofuels
- syntetic biofuels
- increased use of the hybrid technology
- …

**Measures:**
responsibility on nat./reg. level (e.g. incentives)
3. Content of the 3. EFV-Conference

3.1 Introduction / basic ideas from Germany

**Targets:**
- CO\(_2\)-reduction (Z1 %)
- fuel efficiency (Z2 %)
- reduction of pollutant emissions (Z3 %)
- ...

**EF-Vehicles:**
- hydrogen / fuel cells
- ...

**Measures:**
responsibility on nat./reg. level (e.g. incentives)

Diagram: Long view terms vs. time scale
3. Content of the 3. EFV-Conference

3.1 Introduction / basic ideas from Germany

Life-Cycle-Analysis as basis for the assessment of EFV:

- Development / Production
- in use / operating phase
- Recycling / waste
- tank to wheel
- well to tank
3. Content of the 3. EFV-Conference

3.1 Introduction / basic ideas from Germany

well to tank: - tap of new resources and production of energy-carrier
- storage and transport
- infrastructure and refueling
- ...

tank to wheel: - which kind of vehicle technology?
- which type of vehicle (passenger car, truck, ...)?
- which kind of fuel will be used?
- emissions and fuel efficiency?
- behavior of the driver and traffic situation?
- ...

Federal Ministry of Transport, Building and Urban Affairs
3. Content of the 3. EFV-Conference

3.2 What can be done by the EFV-Conference

- Future role of EFV Conference
- Determination of targets
- Monitoring of targets, market introduction of EFV‘s
- Information about measures
- ...
3. Content of the 3. EFV-Conference

3.3 What can be done by WP.29 (GRPE)?

- Informal Group? (decision by WP.29/GRPE)
- Development of a methodology for the validation of EFV (no limit values!)
  linked to well to wheel / Life-Cycle-Analysis
- Integration of fuel standards
- Mandate for Speaker representing WP.29 during EFV Conference in Dresden
- …

Federal Ministry of Transport, Building and Urban Affairs
Contact

Thank‘s for your attention!

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