EFV Conference 2007 in Germany

GRPE - meeting

11th January 2007
Geneva / CH
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) ?

4. Conclusions and further steps
2. Background Information

2.1 1. EFV-Conference Japan 2003


Chair`s Statement
2. Background Information

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: „Gläserne Manufaktur“
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:
  - task of EFV Conference

- EF-Vehicles:
  - responsibility of WP.29

- Measures:
  - 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
- EFV’s as a tool to achieve the targets

EF-Vehicles:
- definitions, assessment and market share of EFV’s
- possible measures as general conditions for EFV concept and support

Measures:
- measures to support the market introduction of EFV’s

time scale (EFV-steps)
3. Content of the 3. EFV-Conference

3.1 Introduction / basic ideas from Germany

Targets:
- CO₂-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:
- special tax incentives
- Regulation of the vehicle fleet
- support of new developments
- …

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

#### 3.1 Introduction / basic ideas from Germany

| Targets: | - CO₂-reduction (Z1 %)  
- fuel efficiency (Z2 %)  
- reduction of pollutant emissions (Z3 %)  
- … |
|----------------------|--------------------------------------------------|
| EF-Vehicles: | - hydrogen / fuel cells  
- … |
| Measures: | - … |
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
- Well to tank
- Tank to wheel
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?
- ...
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 an EFV-assessment-system linked to well to wheel / Life-Cycle-Analysis
- fuels
- ...
4. Conclusions and further steps

Conclusions:  - to be determined

further steps:  - if necessary an additional ad hoc meeting
  - information for WP.29 (March 2007)
  - ...

Federal Ministry of Transport, Building and Urban Affairs