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GENEVA: GRPE Particulates Sub-group



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Regions**



**4th Conference on Nanoparticle Measurement
Zurich 7 - 9 August 2000**

GENEVA: GRPE Particulates Sub-group

Remit

- **Status:** Unofficial group with no mandate.
- **Objective:** To exchange information between interested GRPE members involved in the study of vehicle particulate matter.

History

- **Conceived in 1998**
- **Met on six occasions.**
- **Presentations have been delivered by all sectors of the membership.**
- **Topics covered include:**
 - **Measurement techniques**
 - **Instrumentation**
 - **Technology effects**
 - **Fuel effects.**



Where next?

- **There is a lot of knowledge on particles and particle measurement - so what are we going to do about it?**
- **As chairman of the sub-group, I will provide GRPE with proposal at January 2001 session - recommending:**
 - **1. Present sub-group is disbanded**
 - **2. GPRE consider possible new mandate.**

Consideration

- **Fact:** Health issues are linked to particle size and chemical composition.
- **Fact:** Particulate traps reduce particle numbers and reduce chemical complexity.
- **Question:** If it follows that traps can provide clear health benefits and if policy so demands - how can we set appropriate standards ?
 - What Test Procedure?
 - What Measurement Equipment?
 - What Recommended Limits?

One Option?

- Establish type of trap technology.
- Test technology on representative vehicles.
- Determine parameters that characterise “traps”
 - trap effects, fuel effects, additive affects, lub-oil effects, engine effects.
- Develop procedure for Type Approval
 - steady state, transient, regeneration, other?
- Define equipment for T/A test.

Programme?

- 2 years to conclude
- Co-ordinated programme - not joint programme.
- Any organisation welcome to contribute.
- Regular progress review meetings in Geneva (linked to GRPE).