



EUROMET Initiative in Nanometrology

Purpose

Co-ordinate European NMI's efforts in the field of Nanometrology to satisfy the industrial needs.

Scope

In the context of this projects, the field of Nanometrology shall be restricted to *Dimensional Metrology for the Service of Nanotechnology*, the latter originating from areas such as Precision Engineering, Microelectronics or Biotechnology.

Principal steps

- Inventory of activities at NMIs
- Identification of industrial needs
- What can NMIs offer to satisfy these needs? How can efforts be co-ordinated?

Further aspects to be considered

- no duplication of any former project or actual activity, e.g. within EUSPEN
- funding of any activity, in particular the workshop, by the EC
- contribute to the *Position Paper for Nanotechnology* of a high level expert group of the European Commission
- contact to EUSPEN
- contact to NIST

Events

- EUROMET Length TC meeting, October 2001, Budapest
- EUROMET Workshop including industrial participation, spring 2002, place not yet known.
- IMEKO TC14 is organizing "ISMQC" (Surface Metrology for quality Assurance) at Egyptian National Institute for standards NIS during the period 24-27 Sep. 2001.
- Workshop on Creating a Global Nanotechnology Network (IUMRS-ICAM 2001), Cancun, Mexico, Marriott resort, August 28, 2001

Involved persons and responsibilities

Name	Institute	Responsibility
R. Thalmann F. Meli	METAS	Project co-ordinator
M. Plantenga R. Bergmans	NMi	Inventory
K. Carneiro A. Kühle	DFM	contacts to EUSPEN, EC, NIST
A. Lewis	NPL	funding of workshop by SMT programme, contacts to Nano industry through existing networks

Further contacts involved

Name	Inst. / Org.	
EUROMET Length Contact Persons		Participation in inventory and workshop
div.	EUSPEN	including 20 persons and 20 organisations with “key-words” Nanotechnology or metrology
Paolo Salieri, Tom Fairley	EC	6 th Framework programme, funding of conference
Ted Vorburger Dannis Swyt	NIST	NIST contact
R.P.H. Chang	Northwestern University	Mexico Conference

Workplan/Actions

No	Activity	Date	Who
1	Formulate project proposal	20.5.01	RT
2	Discuss project proposal, e.g. at EUSPEN conference	30.5.01	all
3	Submit project proposal to EUROMET	15.7.01	RT
4	Start inventory of actual status of activities and measurement possibilities of NMIs in the field nanometrology	15.7.01	RB
5	In parallel, start enquiry of industrial needs as seen by NMIs	15.7.01	RB
6	In parallel, enquiry of activities and needs among EUSPEN contacts (ev. internet discussion)	15.7.01	KC
7	Look for possibilities for EC funding	15.9.01	AL
8	Look for organiser for Workshop	...	all
9	EUROMET TC Length meeting: <ul style="list-style-type: none">• presentation of results of inventory• discussion for further procedure	15.10.01	
10	Inquiry: Identification of industrial needs	15.10.01	
11	Preparation of workshop		
12	Workshop with strong industrial involvement		
13	further actions: <ul style="list-style-type: none">• co-ordination of efforts?• EUROMET working group on nanometrology?• virtual institute?		