



Deutscher Wetterdienst

International Symposium on PWS: A Key to Service Delivery Geneva 3-5 Dec. 2007

Concluding Remarks



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PWS - A story of success

- We are looking back to an successful implementation of the PWS Programme since the beginning 90th.
- WMO secretariat has organized and initiated workshops, seminars, surveys, guidelines, technical documents, capacity building etc. pp

PWS - Challenges

- Changing Role, Operation and Structure of WMO and its Members, and their NMHSs
- Changing World
- Changing Needs

- **What are the driving forces?**

PWS – Driving forces

- User needs
- Climate change
- Increasing vulnerability of society
- Need to consider social sciences as well as physical sciences
- Socio economical demands
- Lack of resources
- Technical and scientific progress

PWS – User needs

- Availability
 - Dependability
 - Useability
 - Credibility
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- **That means for NMHSs and broader Meteorological and Hydrological community: Strong interaction between users and service providers.**
 - **Media are a special and important kind of customer**

PWS – Climate Change

NMHSs have the task to inform and provide assessment and advice

- Policy decision makers
- Emergency and other relevant organizations
- The public
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about the climate facts so far we know them until now and about the results of the 4th IPCC assessment report.

PWS – Increasing vulnerability of society

The number of human beings threatened by weather disasters has increased in the last decade.

There is a strong need for NMHSs to deliver seamless information in a timescale from Nowcasting up to seasonal forecasts for the society.

In addition there also a strong need for climate information.

PWS – Socio economical demands

There is a strong need for a systematic analysis of costs and benefit. Furthermore I refer to the outcome of the Madrid Conference Plan which needs to be carried out through Partnerships.

PWS – Lack of resources

As a consequence of the increasing demands for NMHSs there is a strong need for national and international partnerships, networking and cooperation.

PWS – Technical and scientific progress

The development of better numerical models and probabilistic forecasts make it necessary to find new ways to cooperate to inform and give advice how to use these new informations.

The future of the PWS Programme

The future of PWS is determined by the tasks following the challenges and the driving forces and by the WMO strategic plan.

WMO strategic plan – expected results

The targets of the future PWS programme meets the expected results of the WMO strategic plan:

- Service delivery:
- Partnership
- Capacity Building

Conclusion: There is a strong need to continue with and enhance the PWS Programme

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Recommendations:

- 1. PWS should evolve as an all-encompassing vehicle for delivering a broader range of integrated and sustainable services.**
- 2. PWS needs strong support by WMO and Members**
- 3. To achieve the goals PWS Programme needs more resources**
- 4. To reorganize the 3 PWS experts teams and take into consideration the social, environmental and economic issues.**

Overall Conclusion

→ PWS of the future is not only Public **Weather** Services but Public Services (Weather, Climate and Water, with implications for Food, Water and Health issues for society) delivered in a seamless manner to respond to the needs of society.