



# Resolutions adopted at the 13th General Meeting of the Nordic Geodetic Commission in Gävle 25-29 May 1998.

*No. 1 Gävle 29 May 1998*

## ***The Nordic Geodetic Commission***

**recognizing** the need of the political decision makers for scientific support and guidance on their way to sustainable development,

**recognizing** the fundamental role of a detailed monitoring of the Earth system for acquiring the knowledge required for such a support,

**recommends** that geodesy contributes to the establishment of a Global Geophysical Observing System and that the International Association of Geodesy (IAG) and the International Union of Geodesy and Geophysics (IUGG) support the implementation of such a system, which would be a crucial contribution of the Earth sciences community to the achievement of the objectives set down in the Agenda 21.

*No. 2 Gävle 29 May 1998*

## ***The Nordic Geodetic Commission***

**recognizing** the sensitive role of the Arctic in climate change, both as a region where significant changes can be expected and where impacts can be detected at an early stage,

**recognizing** the importance of sea level as an indicator of climate change,

**recommends** that the Arctic tide gauges are co-located with continuous GPS and absolute gravity in order to separate sea level changes and vertical crustal movements.

*No. 3 Gävle 29 May 1998*

### ***The Nordic Geodetic Commission***

**recognizing** the international initiative to support the Russian Global Navigation Satellite System GLONASS, the International GLONASS experiment (IGEX 98),

**noting** the importance of the increased satellite availability, better geometry, and increased accuracy, especially at high latitudes, obtained by combined use of GLONASS and GPS,

**recommends** that IGS-EUREF permanent sites operated by the NKG are co-located with GLONASS receiving systems in support of the IGEX 98 pilot project.

*No. 4 Gävle 29 May 1998*

### ***The Nordic Geodetic Commission***

**recognizing** the general increasing use of geographic information by coordinates,

**emphasizing** that the EUREF Commission has recommended a geodetic datum for Europe and that there is a need for map coordinates in a common map projection for the Nordic countries,

**recommends** EUREF 89 as geodetic datum and the principles of UTM as a common Nordic map projection.

*No. 5 Gävle 29 May 1998*

## ***The Nordic Geodetic Commission***

**recognizing** the need for gravity data from the Baltic Sea to improve the Nordic geoid,

**noting** the use of the best possible geoid model for unification of geodetic vertical networks of countries around the Baltic Sea,

**recommends** that a coordinated project be carried out to survey the Baltic Sea region by ship and/or airborne gravimetry.

*No. 6 Gävle 29 May 1998*

## ***The Nordic Geodetic Commission***

**recognizing** the considerable investments and the different priority changes regarding the completion of the ongoing precise levellings in the Nordic countries,

**noting** the difficulties caused to some of the countries,

**recommends** that all the countries strengthen their efforts to complete the measurements in the national levelling networks at the latest in the year 2003.

*No. 7 Gävle 29 May 1998*

## ***The Nordic Geodetic Commission***

**recognizing** the long time needed to realize a final adjustment and establish a new height system for the national levelling networks and for the common Nordic bloc,

**noting** the enormous volume of field data to be correctly handled in preparation for adjustment,

**recommends** that preparation of data for the adjustment starts immediately, as well as consideration of a height system.

*No. 8 Gävle 29 May 1998*

## ***The Nordic Geodetic Commission***

**observing** the successful establishment and operation of a permanent GPS monitoring network in the general area of the Fennoscandian shield, including the Baltic countries and Russian Carelia,

**congratulates** all those having cooperated to achieve this success and

**considers** this an illustration of the importance of continued free availability of the data concerned for scientific use.

*No. 9 Gävle 29 May 1998*

## ***The Nordic Geodetic Commission***

present at the 13th general meeting of the Commission in Gävle express their sincere thanks to Lantmäteriverket and to the local organizing committee for the excellent arrangement and warm atmosphere during the meeting and at the social events.