



Charter for WG on

ETRS89 future development

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L A N T M Ä T E R I E T



INTRODUCTION

OBJECTIVES

WORKING PLAN

MEMBERSHIP

LANTMÄTERIET



Introduction

- ETRS89 introduced in partly as an answer to user needs to harmonize geo-referencing applications throughout Europe.
- Occasionally there have been coordinate shifts in successive realizations of ETRS89, derived from different ITRFs
- ETRF2000 adopted as a “conventional” frame for ETRS89
- Target users
- Mathematical relation $\text{ETRS89} \leftrightarrow \text{ITRS}$
- Scientific use of ETRS89

Objectives

1. Clarify the definition of ETRS89 and its target groups

- Documentation on ETRS89; how it has been used in the past, and how it should be used in the future
- How to treat intraplate velocities in terms of ETRS89
- Use of ETRS89 in the scientific community

2. Propose to the TWG approaches for the long-term maintenance of the ETRS89

- With special attention to the potential benefit from EPN!

Working plan

1. ETRS89 up to now

Document about the history of ETRS89

Inventory of the use of ETRS89 (close to the work done by Ellmar)

2. What is ETRS89 supposed to be and how should it be used?

Clarify the use of ETRS89 for scientific applications

Make clear to what extent intraplate deformations should be considered in ETRS89

3. Future maintenance of ETRS89

Propose conceptual model for the realization as well as formulas and numerical values for transformation parameters

Members of the working group

Martin Lidberg

Carine Bruyninx

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