Terrestrial uses for space technology: Why DTN can support cultural diversity

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Common acquaintances – LTU honorary doctors
In 2002… Women in reindeer husbandry
The snowmobile problem

The Snow Mobile is too heavy for women

- Lighter snow mobile
- Changed work organisation
- Education in driving and maintenance
- Physical training
- Low-tech and high-tech solutions
- Better technical aids for strenuous situations
- Heavier snow mobile
- Attitude changes
- Changed work organisation

The snowmobile problem
The snowmobile is used for this, among other things. Photo: Lena Kuolok Lind, for documentation of the women in the reindeer husbandry group.
The snowmobile does make a difference. Picture from family photo album, about 1940
Mechanization, motorization - not a perfect match with family-based reindeer husbandry

- The snowmobile does not solve inconsistencies to the full
- It enables doing things faster
- Where and when basically remains the same

- Costs
- Terms for citizenship, education, business changing – for better and worse
Then came …

• Avri Doria, Anders Lindgren
• … and it all became **DTN**

• “Even from a mountain top”
• But who lives on a mountain top? (in this climate, anyway)

• Common ground for a shared society with different cultures
Tests: SNC and N4C

- PRoPHET RFC 2013
- NSIM – platform for services, by S. Grasic
- DTN run by MEIS, Slovenia since 2008
- www.n4c.eu
- N4C Summary Udén, M. Journal of Community Informatics 7(3) 2012
From binoculars to distance-spanning technology – the vision of a new technology regime – and the ambition to create a business, Ms. Karin Kuoljok & Ms. Susanne Spik. Photo: Lena Kuojok Lind
Test funding: SNC Sami Network Connectivity 2006-2007 (national and EU Interreg, Objective 1 funding), N4C Networking for Communications Challenged Communities (EU FP7) 2008-2011. Photos by: Lena Kuoljok Lind for the NMKR project (including this), Luleå University of Technology, the test teams SNC and N4C, family albums
Climbing helps – local radio (short wave). With some effort it works to talk with the neighbour camp.
Mattias Ek with children at Sallohaure summer camp, Padjelanta national park 2006