



**N4C** (Networking for Communications Challenged Communities: Architecture, Test Beds and Innovative Alliances) was a FP7 project in which the partners developed internet for remote regions where it is not simple or not cheap or, even feasible to gain access in any of the conventional ways. N4C used Delay and Disruption Tolerant Networking (DTN) technology.

In **eLearning-DTN** (How to build and implement DTN based internet access with gender and cultural sensitive approaches) the project team aims to offer information on how to build DTN based internet access, thus transferring knowledge from N4C to new audiences.

The **eLearning-DTN** course can be used in schools but also among people studying on-line. We will use commercial-off-the-shelf (COTS) hardware for DTN and open source software (OSS).



## **eInclusion in Rural and Remote Areas**

The European Digital Agenda aims to give all Europeans **basic broadband by 2013** and much higher speeds by 2020.

The Commission recognizes that it is important that **rural and remote areas are not excluded** when the Agenda is implemented.

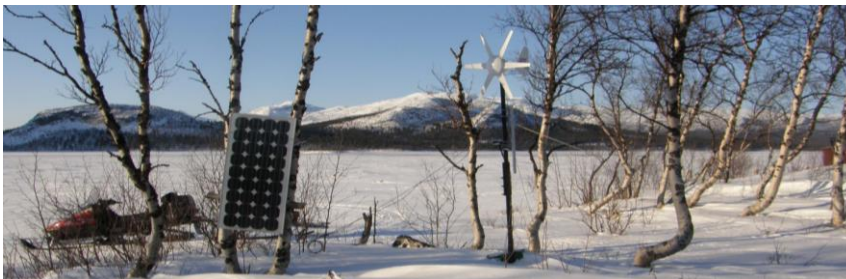
When ICT infrastructure and applications are developed and implemented, it is important to apply a **gender equality perspective** and to promote gender equality policies.

## **N4C and DTN**

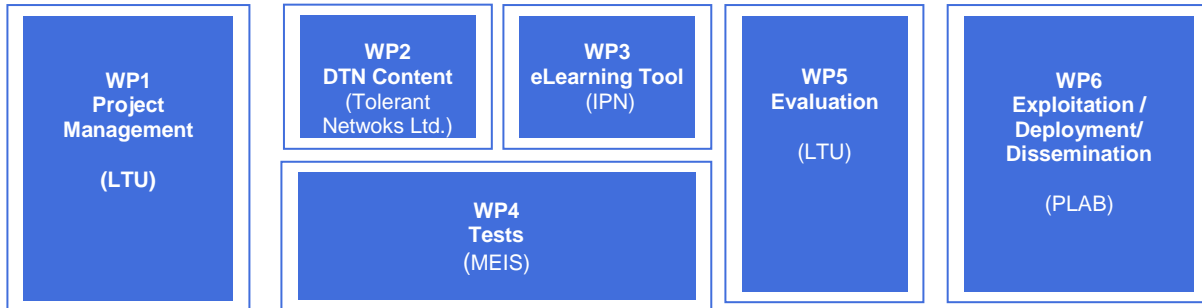
The N4C project emanates from two initiatives; a local initiative investigating how new technology can support reindeer husbandry and other traditional enterprises in northern Scandinavia and a group of people active in the Delay Tolerant Research Group within the Internet Research Task Force (IRTF).

The project N4C used commercial-off-the-shelf (COTS) hardware that can be bought in any electronics store at a reasonable price and open source software (OSS) that can be downloaded without copyright (licence) cost, thus making DTN affordable for small communities with limited resources.

Read more about DTN [www.n4c.eu](http://www.n4c.eu)



[www.eLearning-DTN.eu](http://www.eLearning-DTN.eu)

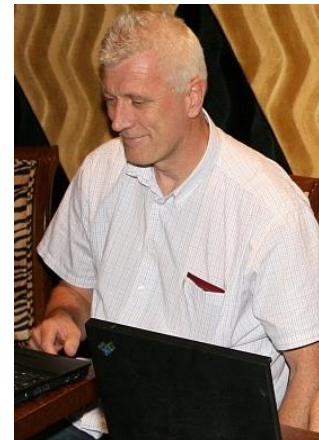


**Course Content: Modules 1-7**

1. How to start – what you need in the form of ICT software and other equipment
2. How to implement software
3. How to build your network – people, mules and nodes
  - a) Case: An environmental company building a DTN network for business
  - b) Case: An NGO developing DTN for a rural village
4. Working with people in deployment - how to recruit users
5. Case A: Deployment to NGO in Swedish Lapland
6. Case B: Environmental deployment
7. Case C: How SME and NGO can deploy / encourage business on DTN
  - a) A case of an environmental company building a DTN network for business
  - b) A case of an NGO developing DTN for a rural village



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