General research activities related to EMF health
Norway participated in the Interphone study. In 2006 a Nordic-Swiss study on childhood brain tumour started, CEFALO. It is a case-control study on brain tumours in children and adolescents age 7-19, approximately 350 cases and 650 controls are interviewed. The purpose is to investigate whether use of mobile telephones increases the risk of brain tumours. Participating countries are Denmark, Sweden, Switzerland and Norway. Data collection was finished autumn 2009, first paper is planned late 2010.

At the University of Bergen they have performed a study regarding birth defects and sex ratio in the offspring of fathers reporting exposure to radiofrequency fields in the Norwegian Navy. The ongoing project is now carrying out a questionnaire study among men exposed to radiofrequency fields in the Norwegian Navy.

Publications:


New policies and legislations regarding EMF exposure
The Norwegian Regulations on Radiation Protection and Use of Radiation from 2003 is being revised. The ICNIRP guidelines shall as a rule be followed in addition to an ALARA-principle.
Based on the possible association between ELF EMF and childhood leukemia, an assessment of the exposure situation and an evaluation of possible actions to reduce the exposure, is
required when new houses or new powerlines are planned which can imply magnetic fields above 0,4 μT in dwellings.

**Areas of public concern and national responses**
The main area of public concern is possible health effects from basestasions for mobile telephones and wireless networks as well as electrohypersensitivity.

An expertgroup is established to review possible health effects from radiofrequency fields, mainly related to sources in our surroundings like basestasions and wireless networks. The work will include reviewing research regarding electrohypersensitivity. The group will also review the administration of EMF in other countries. Based on advices from this group, actions might be taken if necessary.

**New public information activities**
Norwegian Radiation Protection Authority has information for the public regarding EMF on their website, [www.nrpa.no](http://www.nrpa.no). Two broshures regarding dwellings close to power lines are published. Infosheets about mobile telephones and basestations for mobilephones where published in 2009. In Norwegian only.

The Nordic Radiation Protection Authorities have made a joint statement regarding exposure of the general public to RF EMF, [http://www.nrpa.no/dav/18e69b6f32.pdf](http://www.nrpa.no/dav/18e69b6f32.pdf).

Due to the public concern, NRPA and Norwegian Post and telecommunications Authority have performed a survey of RF fields in our surroundings. Measurements are performed in public areas in four cities, in dwellings, offices, schools and kindergartens. The purpose was to gain information about exposure of the general public to RF radiation emitted continuously by fixed transmitters located in our surroundings. The final report is to be published.