

telenor

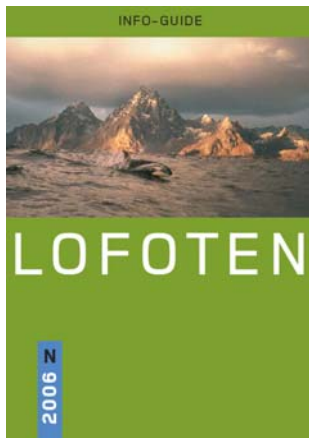
CAIM Prototypes

CAIM project meeting, Tromsø 25.09.2008
Sigmund Akselsen, Bente Evjemo and Anders Schürmann
Telenor R&I, Products and Markets

Prototypes

- M2S – Tourist information in multiple channels (images of info guide ads)
- TIFF – Tromsø International Film Festival event assistant (barcodes)
- Smart Binoculars – Points of Interest info in images (camera position, direction and depth of field)
- Image search client for iPhone (general content based image recognition)
- TVG – Tromsø Visual Guide (images of sculptures and buildings, position, ads)

M2S - Tourist information in multiple channels (images of info guide ads)



TIFF – Tromsø International Film Festival event assistant (barcodes)



Smart Binoculars – Points of Interest info in images (camera position, direction and depth of field)

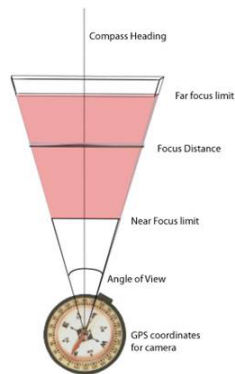
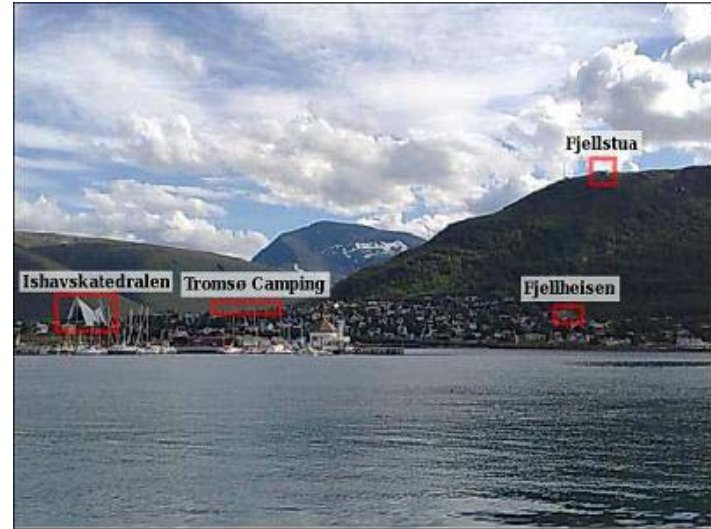


Image search client for the Apple iPhone (user interface, ViPR server software)

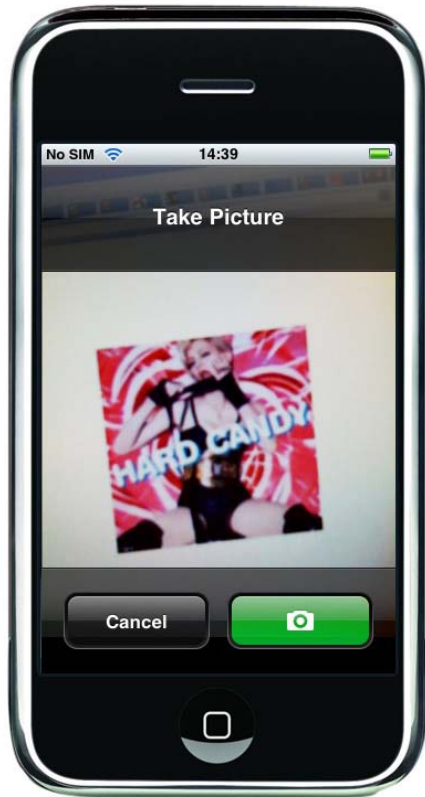


Image taken of a CD-cover
by the mobile search client



The result displayed for the
search for the CD-cover



TVG – Tromsø Visual Guide (images of sculptures and buildings, position, ads)



i) A mobile phone visual query is made



ii) POIs are identified through CBIR. Ambiguities are resolved on camera settings, user location, and customer data

iv) More information on selected POI is given, accompanied by personalized ads from nearby service provider



iii) A ranked list of POIs is presented



A combination of content and context analysis can ease the recognition of images and interpretation of user intentions!

CAIM focus area fit, functionalities and experiences

Focus areas	Prototypes	Functionalities and challenges	Experiences
Automated capture of context descriptors	Smart Binoculars	Access to and accuracy of compass	Internal testing
Utilisation of spatial context	TVG	Combination of content and context	Improved CBIR In progress
Visual queries for multi-modal IR	M2S TIFF Image search client for iPhone	Content production Content adaption (video streaming)	Internal testing Tested with 43 at TIFF 2008; Well received Internal testing, +
Integration and ranking of multimodal data for result presentation			