



Nordic Bioeconomy and Regional Innovation

How to move a town two miles

Göran Cars, Royal Institute of Technology & City of
Kiruna, Sweden





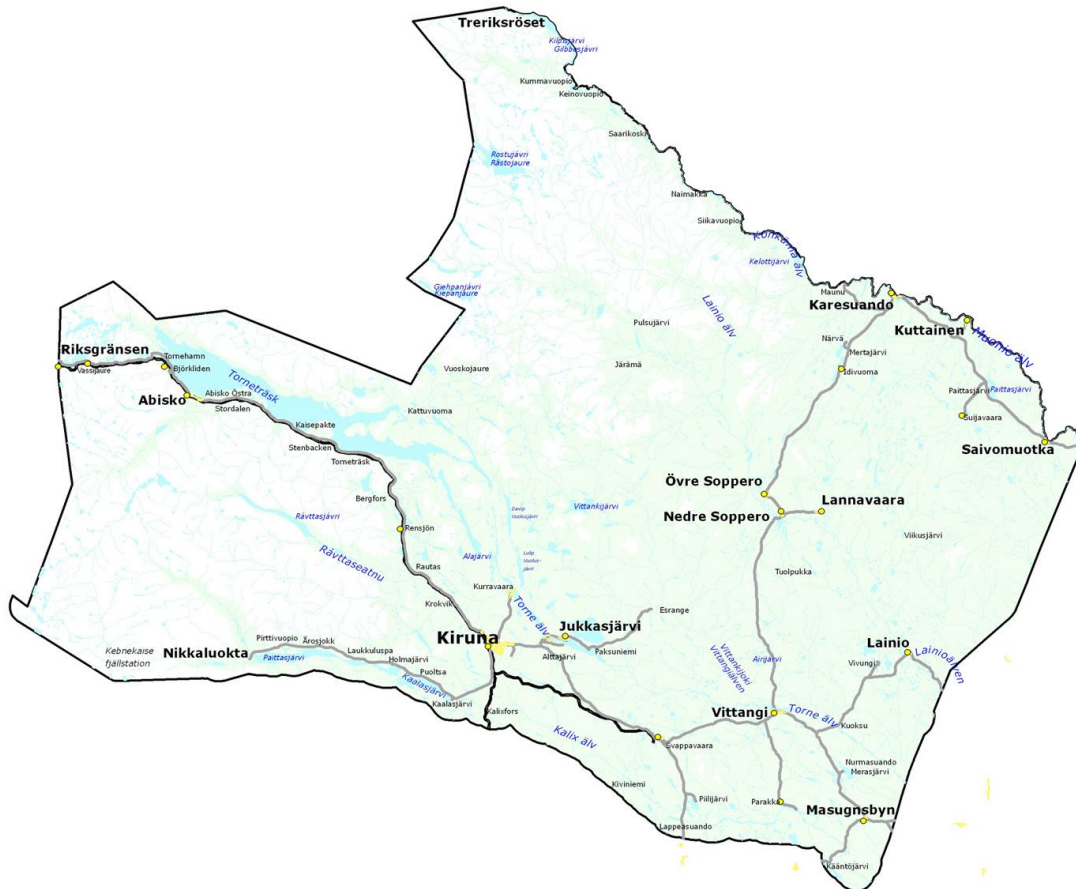
KIRUNA KOMMUN

Kiruna

20 000 km²

23 000 inhabitants

I fifth of the size of
Iceland





KIRUNA KOMMUN

Kiruna

3000 housing units affected
cost 2,5 billion Euro

Compared to Reykjavik
18.000 housing units
affected
cost 15 billion Euro





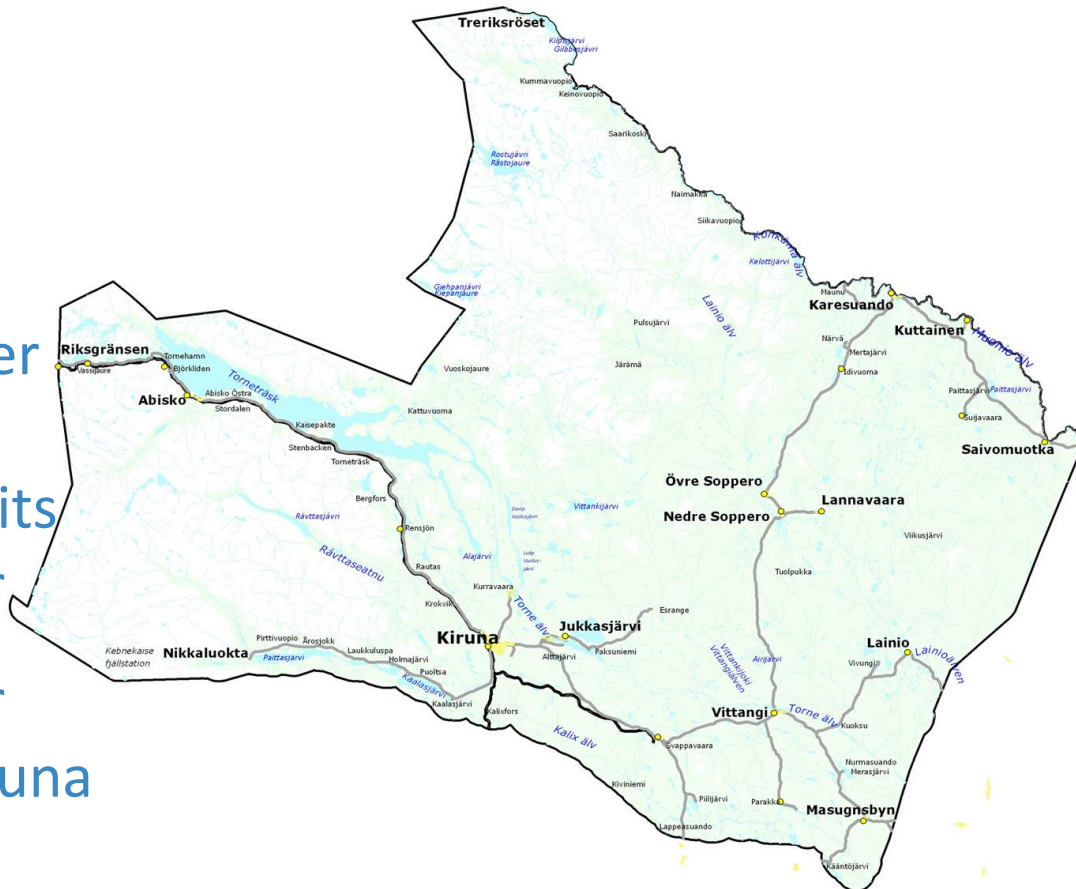
The task:

To create a new city center
for Kiruna

3.000 – 4.000 housing units

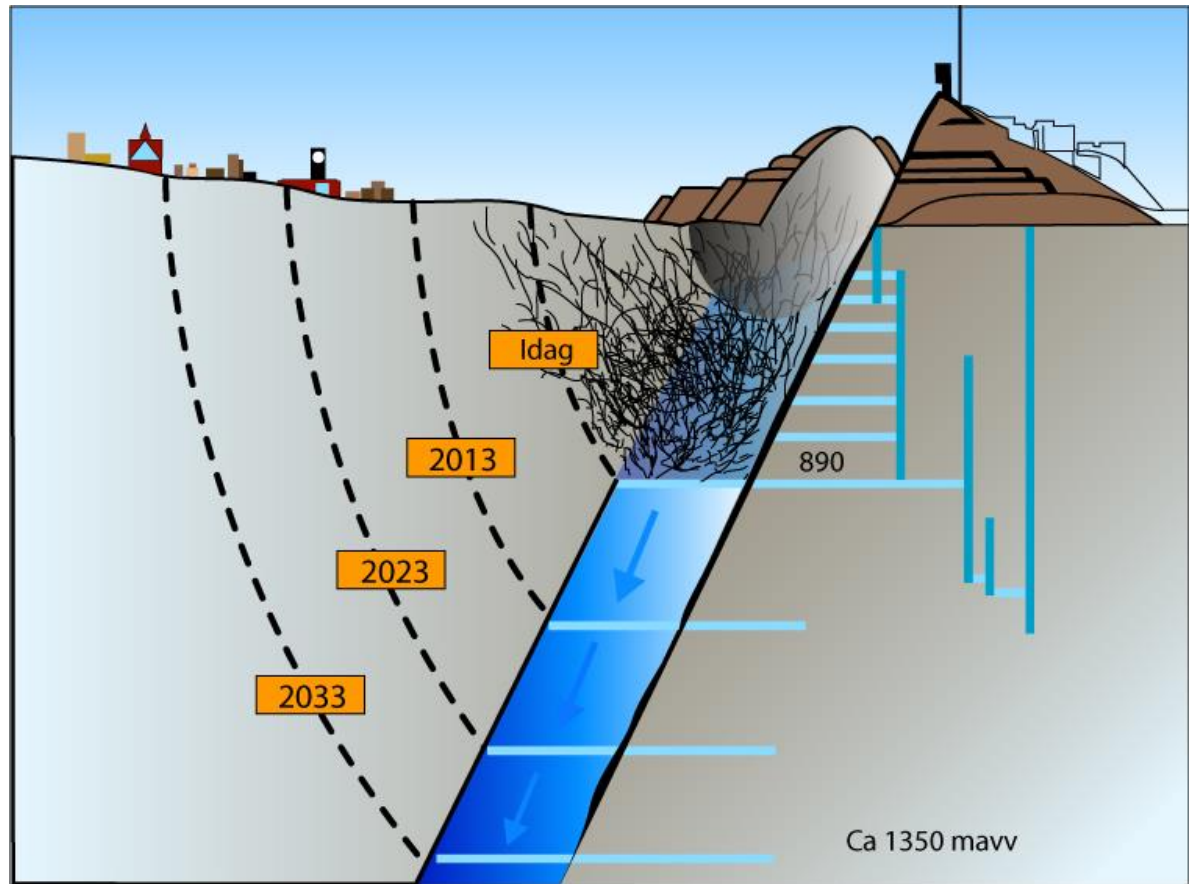
A new commercial center

- An attractive City center
- A symbol of the new Kiruna
- A place to be proud of



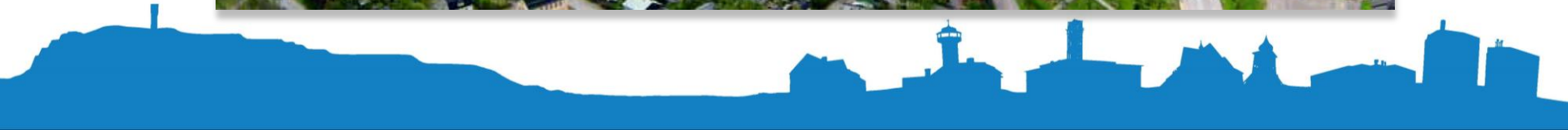
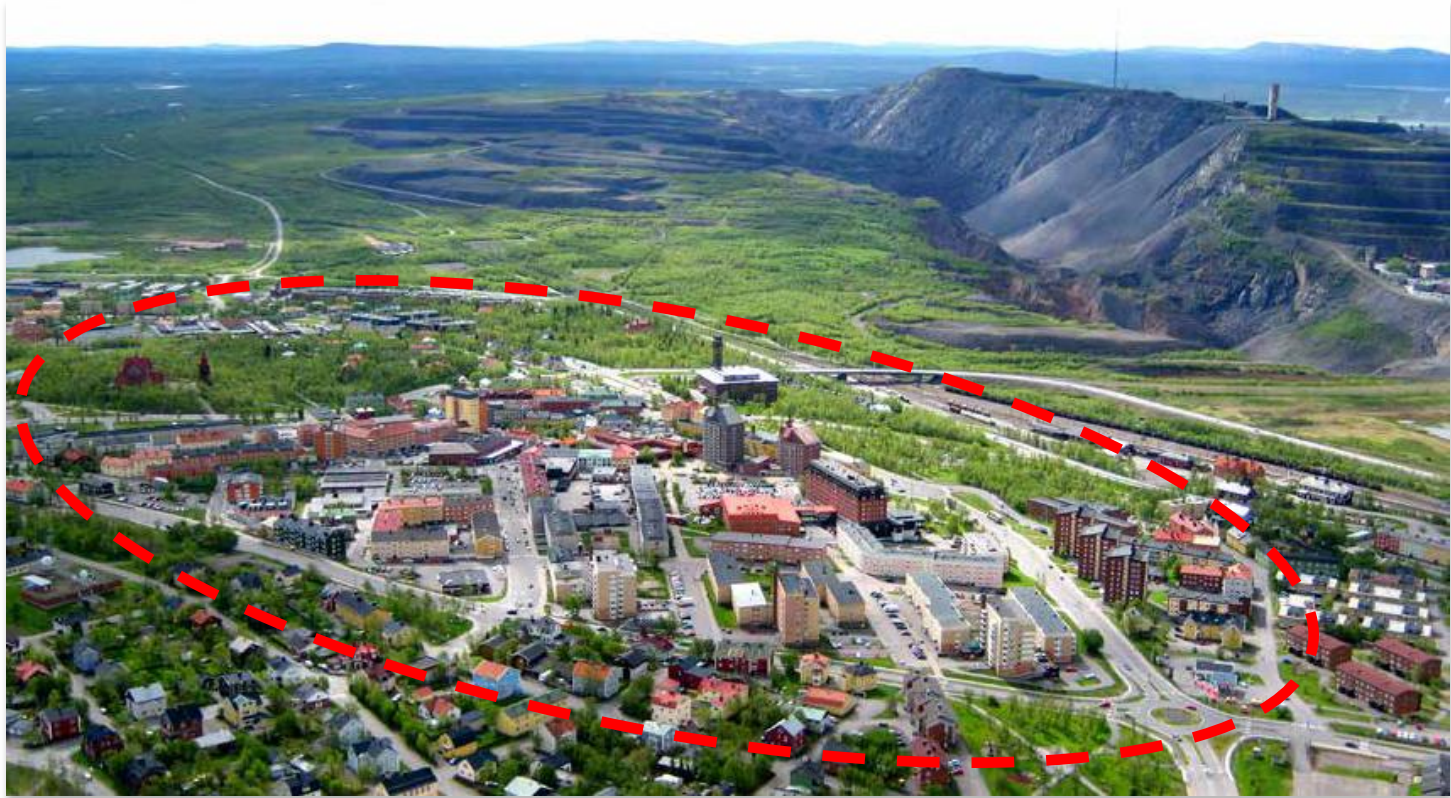


Why is the ground cracking?





The area to be demolished





Removal of the City Center



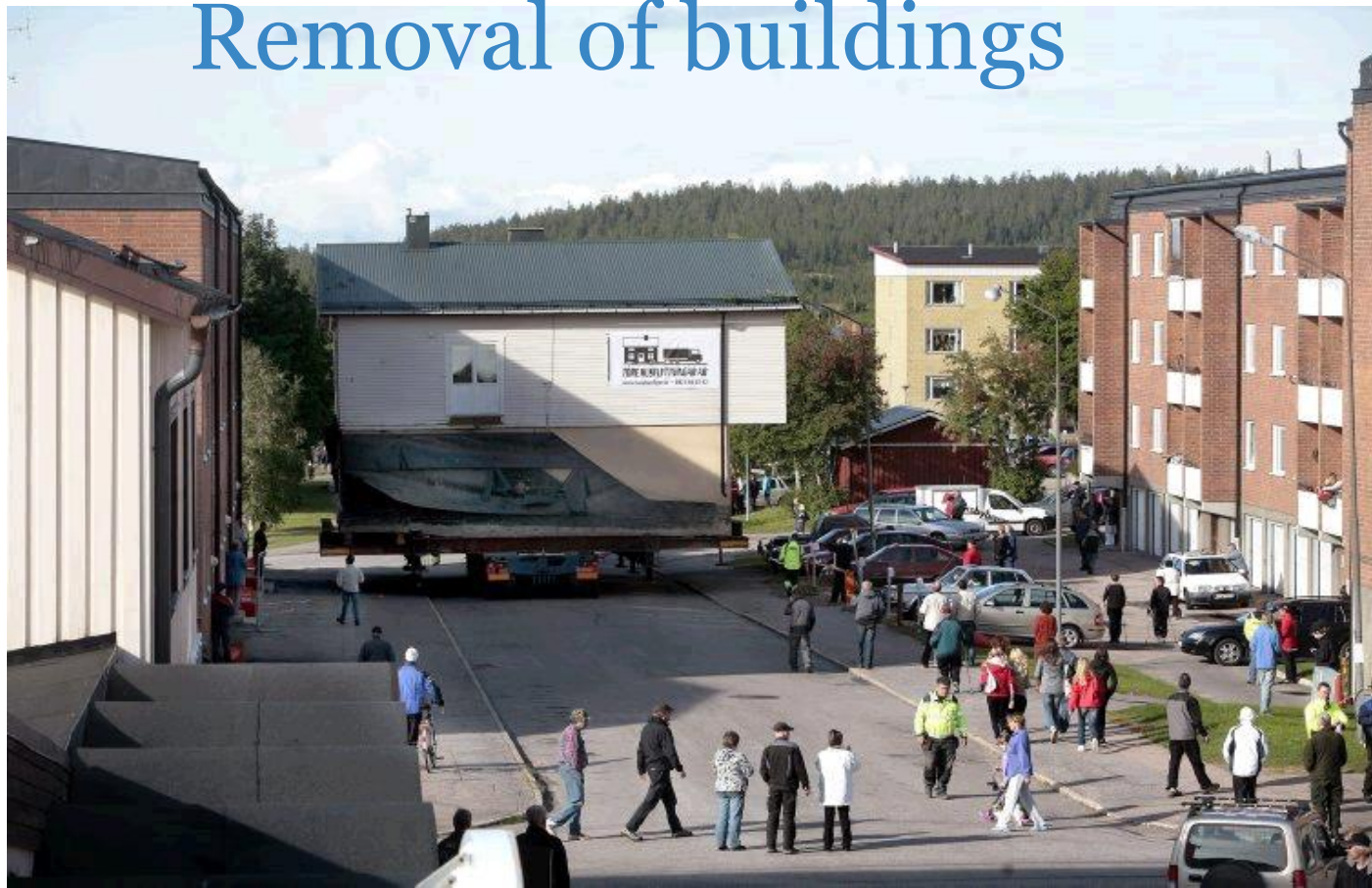


The new City Center





Removal of buildings





Listed buildings that will be removed





KIRUNA KOMMUN



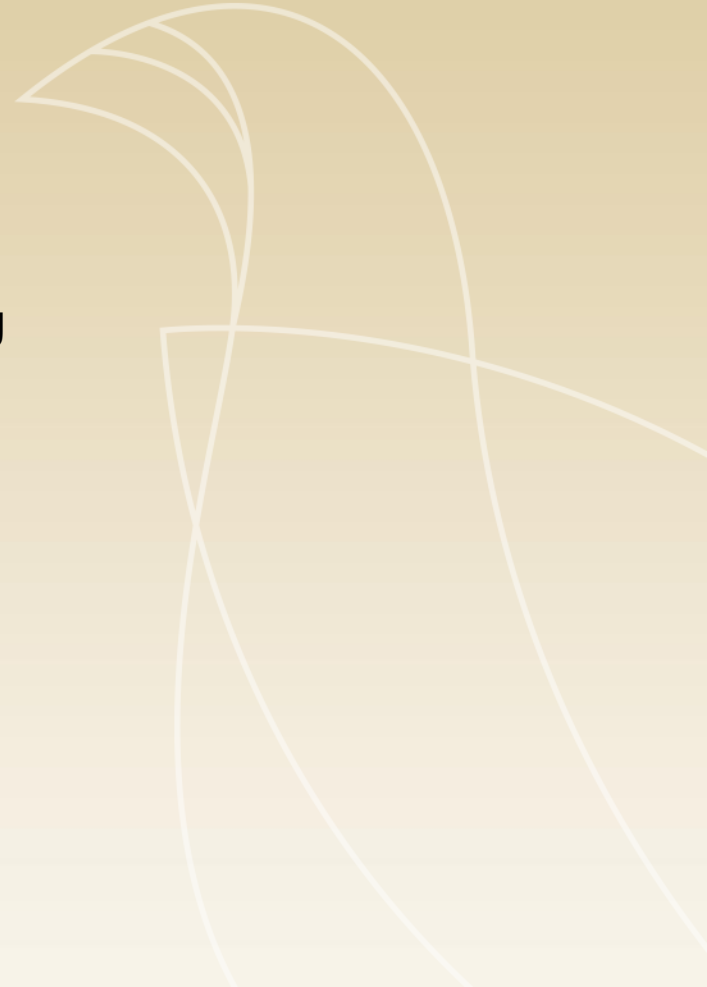


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The task:

A Development plan for New Kiruna

Guidelines for detailed planning and building permits.





A development game characterized by

- **Many issues at stake**
- **Many stakeholders with conflicting interests**
- **Mutual interdependence between stakeholders**
Politicians, Residents, Businesses, Real estate owners, LKAB, County Administrative Board, the Swedish Transport Administration, Investors, Developers)



Key-actor – Residents

- What is poor is the present city center?
- What are residents' expectations?
 - a main square
 - a shopping street (shared space)
 - meeting-places
 - density
 - mixed functions
 - mixing the old with the new
 - cultural landmarks



We are in a rush....

- 2016 City Hall will be closed and 200 housing units have to be demolished
- 2016 – 2017 The new City center must be in place
- From 2017 and onwards the New Kiruna will gradually emerge



Is it feasible. Yes but it asserts.

- Political leadership
- Negotiations and agreements with developers and investors
- A continuous dialogue with residents
- A constructive collaboration with LKAB, the County Administrative Board , the Swedish Transport Administration and the winning team in the architectural competition



KIRUNA KOMMUN

Where are we now?



The Development Plan



The Town square



The City Park



3 SWDSMILIC
IN THE CITY

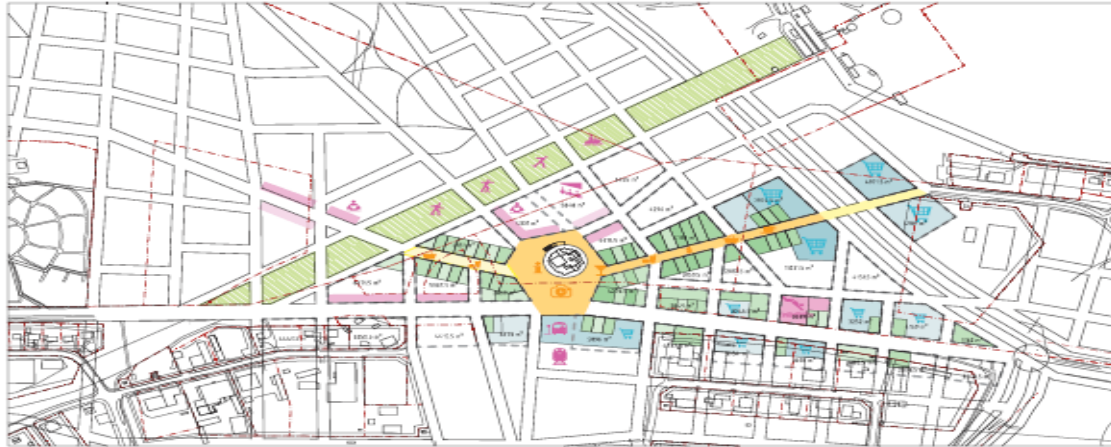
Residential Street – a mix of old and new



STADSMILJÖ
INFORMATION

The Shopping Street

KOMMERSIELLA LÄGEN OCH YTOR



- Park
- Fastighetsgräns
- Torg och gästangar
- Offentlig / kommunal service
- Sällanköphandel & restaurang
- Volym / dagligvaruhandel
- Kvarnserierik, BVA

A3, skala 1:3000



Langt på stads- / gästangara som kopplar till nya torget



Princip för stads- / gästangara med blandade funktioner och buskar i ontwerpen

The Shopping Street

