

# POLITICAL SUPPORT

Next steps: - Need a political support group.

Help political:

- show the "use" of space.

- be more visible, simple message

- working group on engagement.

- give SSC a broader assignment as a vehicle (create a "spacevolt")

- Build from the UK model.

Who: Airforce + SSC + Rymdförbundet = ♥  
SAI

3 individuals

Political support

- financing
- collaboration
- establishing
- converging

How can it contribute?

- write articles describing space benefits
- apply for project money to investigate ↑
- Help with mitigating risk (forget about benefits)
- Identify risk and communicate to them

Group members: Lennart Persson, Åsa Händel, Joakim Norman, Jonas Hjeltn, Åsa Johansson, Didun Obilawale.

# Public Services / Culture

Make people stay

- snowball effect / keep critical mass
- job opportunities
- housing
- bus/ service <sup>local</sup> <sub>Train</sub> - Have a direct train between Luleå and Kiruna (fast)
- provide activities and cultural events
  - ↳ Museum
  - ↳ Cinema
  - ↳ etc.
  - ↳ communication with sami community
  - ↳ Research for cultural development in northern region
- education broaden subjects
  - ↳ add cultural and social topics
  - ↳ not just space/engineering
- open space to the public

Who should be involved?  
and How

these

LTU - provide more diversity in Kiruna

regional-Government to fund LTU and public transport

SSC - open space to students and public / make more accessible

Sami Government regional government - interaction between cultures

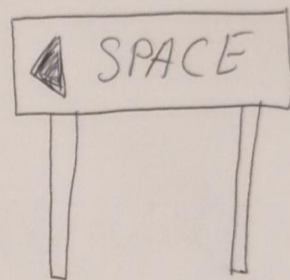
Studentsektionen - more cultural events

# SPACE PORT DEVELOPMENT

Science Park in Kivara  
mining & space  
together

Public awareness in Kivara & Sweden

Rocket launch watching screen in Town



Who should be involved?

- SSC to put up screen for public launch partys.
- Science park - SSC, LKAB, LTV, Kivara kommun - SME start ups
- SSC to put up signs in Jukkas & at BIO:  
Also something at the airport & train station.

RYMDEN

SPACE

How can we contribute?

- Spread the word..
- Inspire big companies to enter space.
- 

Group members:

Simon Westerlund, SSC  
Shreni Sonaniskar

Aaron Sediles  
Adam Wikström

Josefin Nilsson Valencia  
György Kovács

SSC  
LTV  
ACTAS



# Infrastructure

- Internet must be better in Kiruna so that new companies can establish here.

Org. involved: Telia for example -  
Government,  
Municipality,

How can we contribute?

Testbana mellan Campus & Nya City  
for electrified buses,

- Autonomous vehicles in winter conditions  
"Robot taxi" for spare campus students

Case Study about WIFI Networks in EU cities.

## - HOUSING

BETTER CONDITIONS & OPPORTUNITIES FOR WORKERS

Who?

- Kiruna Kommun
- INVESTORS
- COMPANIES

How?

DIALOGUE BETWEEN LTU, KK, COMPANIES  
TO KNOW THE SITUATION ON HOW MANY  
WORKERS/PEOPLE ARE NEEDED.

SUPPLY AND DEMAND

## Group members

Stefan Sydberg  
Erik Nyberg  
M-L Anthi  
Mallad Ojani  
Federico Gatti  
Bernd Weiss

## CAREER OPPORTUNITIES

↳ GROW ON CAREER LEVEL AND MORE OPPORTUNITIES FOR STUDENTS.

Who?

{ LTU  
SSC, COMPANIES

How?

CREATE COLLABORATIONS BETWEEN  
UNIVERSITIES AND COMPANIES  
TO CREATE PROGRAMS THAT  
CAN LET STUDENTS INTEGRATE  
EASILY IN THE COMPANIES.

# Welcoming culture for newcomers

Before: One-stop shop with basic info.  
Tips / Lessons Learned portal

During: A welcome package (pamphlets)  
Welcoming events  
Mentorship programme  
Mixing / Community evening events  
News Events Portal

Who?: Municipality (Nexus)  
Clubs (climbing, scuba...)  
Organizations (Esring, LTU, IRF...)  
Volunteers

What can  
we do?: Open-house events  
Conferences / Talks  
Space Pub



# Collaboration

- joint proposals
- outreach / raising awareness
- ensure continuity

- 
- all relevant stakeholders  
local  $\leftrightarrow$  international

LTH, EISCAT, IRT..... (RPO)

& Kommuner & Regions (authorities)

& private sector

Academia provides technical skills to design solutions  
IRT platform raising awareness of their expertise  
EISCAT provide research infrastructure

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IRT (3); EISCAT (2); LTH (1)

# Infrastructure For Everything (Globalisation)

Space Museum.

Transport ~~to~~ more connexion, more bus/flights/trains.  
 → MORE AFFORDABLE.

" | There IS a SPACE CAMPUS in Kiruna | "

Not ~~just~~ live only accommodations and infrastructure.

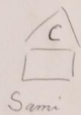
"create media presence"  
 Place cultural, event, and activities.

(space) tourism development.

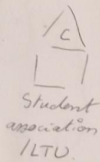
AFFORDABLE ACCOMMODATIONS

Reflect on how other arctic populations grow (Transit, Anchorage etc, ...)

We need housing NOW!



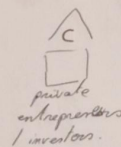
Sami



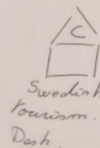
Student association / LTU.



Municipality



private entrepreneurs / investors.



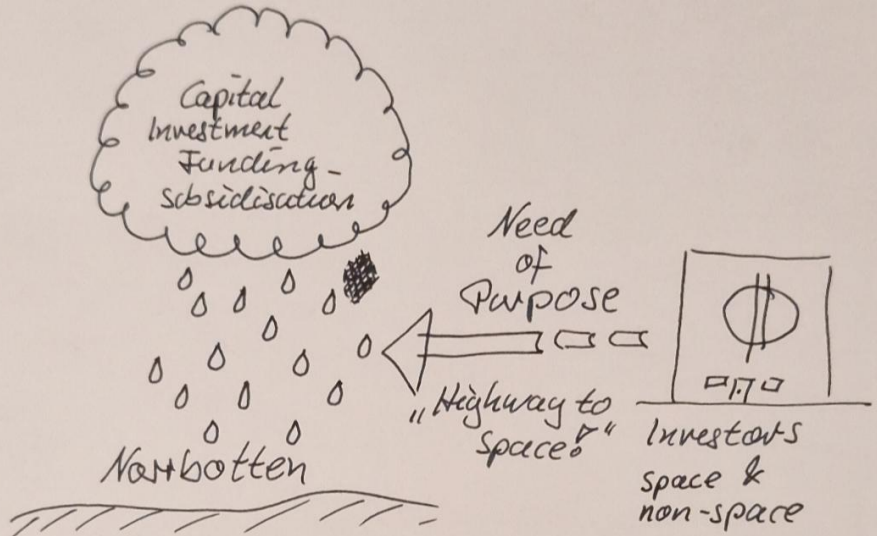
Swedish tourism.  
 DASH.

Dajana Posavci, Margot Clauss, Ethan Dyer, Amal Vinod, Robin DREVET, OLLE PERSSON

# CAPITAL

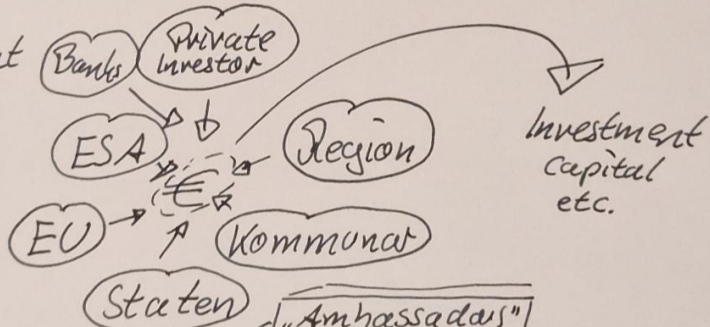
## Next Step Description

1st: Having coffee



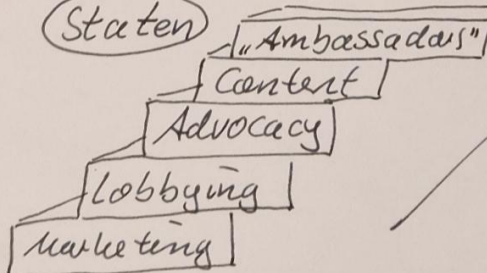
## Who should be involved?

1st: Malin → Investment



## How can we contribute?

1st: by taking money



Group Members: Rickard, Anke, Malin, Stina, Greta, Ella, René

Money - Cash - Wahl - Puke Puke - Bucks - Pengar - Stolar - Raha - knete - Dag - Lar - Dagh - Ba