

## URBAN LAB BODØ NORWAY

MARCH 2016

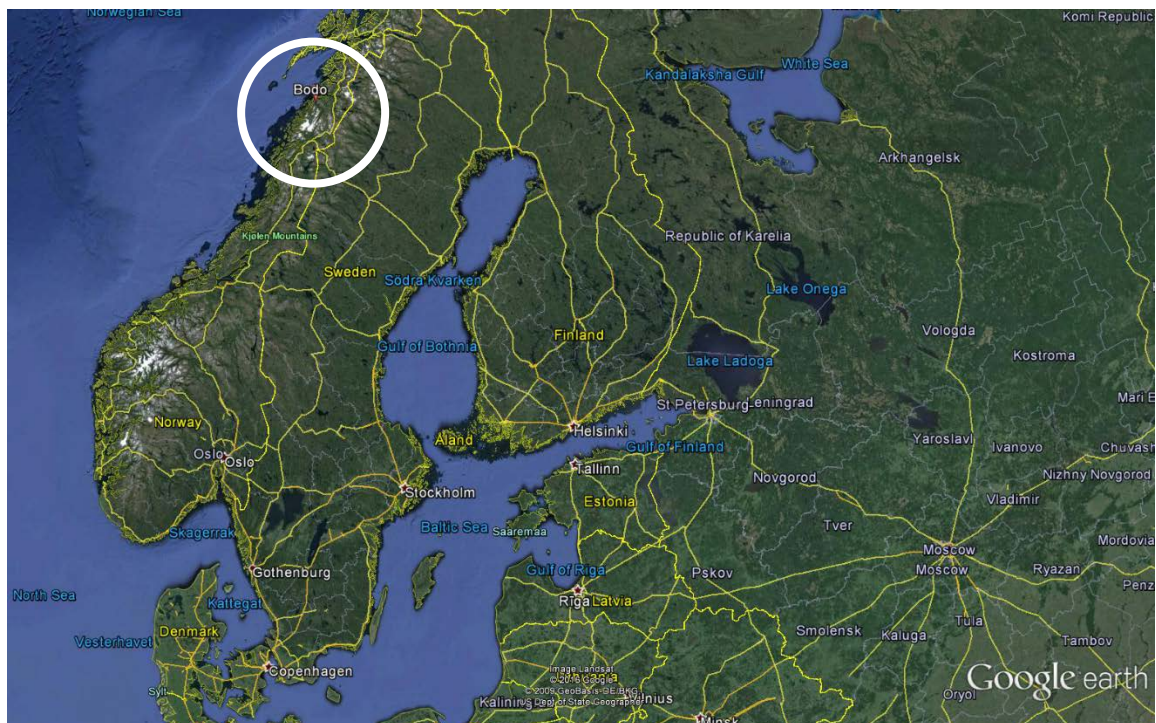
# Proposal

## Background

Norway is on the verge of a comprehensive socio economic transformation, from a petroleum driven economy to a Green economy, the “Green Shift”

Bodo is located in the northern part of Norway and is the capital city of the Norland region. In Bodø large Areas for development will become available with the Airport Relocation.

Bodø is in a unique position to become a showcase for sustainable Urban development in Norway restructuring process



## Thesis

The main challenge is to use the full potential of available resources, in order to generate new Green and sustainable Urban Development

Protect available land from the short term development pressure

## Issues

### Industrial Development

How can the airport side development be approached to make the best possible usage of the area, and at the same time create both local and global value?

### Urban Development

How can the urban development potential contribute to the Green Shift and reach its full potential enduring short term pressure?

### Smart Bodo

How can a multisectorial community wide program make use of existing opportunities to solve today challenges and prepare for future development of a new city?

How can the economic base can shift to the Knowledge Economy?

## Urban Development

### City Expansion

Joining the existing urban tissue with the new city

Compact City

Human Scale

Polycentric Concept

### Phasing

Maximizing the development potential trough phasing

Sequencing development phases to make best use of available land

### Test site in Bodø

Facilitate full scale development testing

Testing results, strategies and developments to be marketed in a global scale

## Industrial and Business Development

### Energy wise

- Large amounts of renewable energy
- Energy intensive sustainable local production
- Recycling and reuse in a sustainable Circular Economy

### Knowledge Economy

- Test ground for future technology
- Facilitate local and global existing and new companies to be part of the green shift
- Stimulate new private local Jobs mainly in the knowledge economy
- Use blue growth and sea development opportunities harmonizing the environment, development and innovation

### Logistics Hub of the North

- Create synergies between resources, global logistics opportunities, to create a global intermodal hub
- Design the new airport in the airport city concept

## Inputs

### Global View

- In which ways can the Bodo potential contribute to create the Capital of the north?
- Can the Bodo location contribute to increase interest in the International context?

### Innovation

- Search for alternative and sustainable transportation systems for the new urban tissue
- Search for a more holistic basic infrastructure system in a circular economy and in a polycentric and compact City context

Search for alternative renewable energy sources such as wave power

Search for innovative agriculture, and water-culture technology development

## Expectations

The Urban Lab report ought to provide recommendations and suggestions on

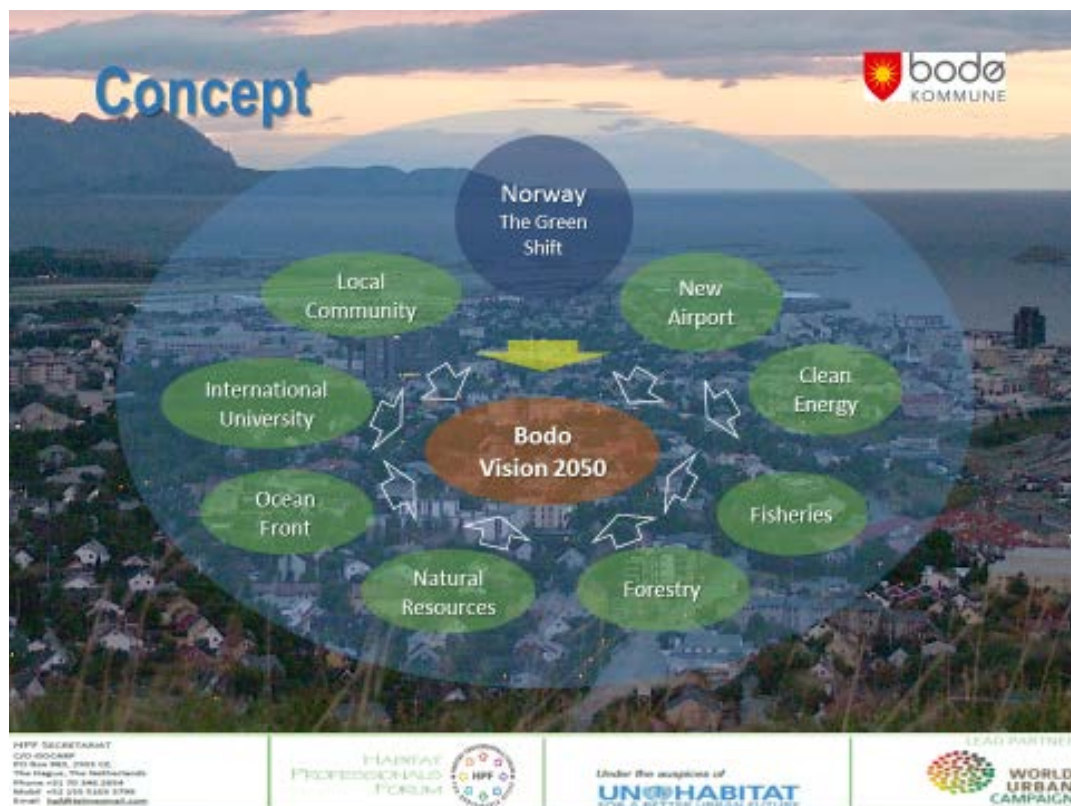
Strategies for sustainable and productive future use and management of land

Strategies for utilizing local natural and technical resources so as to create value globally

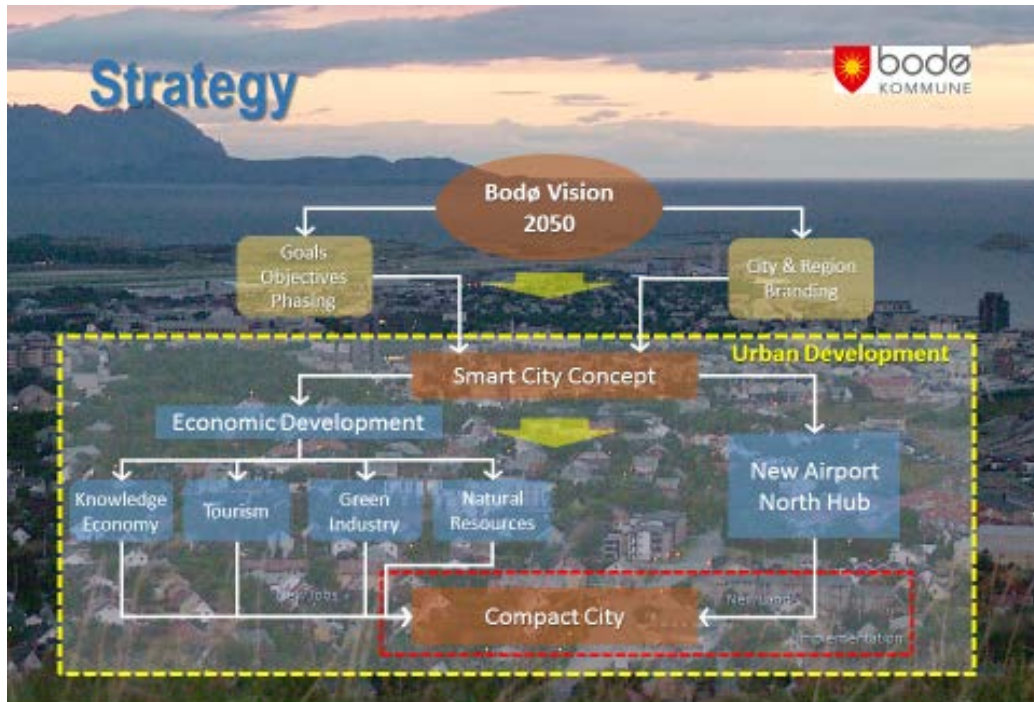
Strategies for development the SMART City Program

Strategies for the possible exportation of knowledge and tested solutions in Bodo as products into the global market

The proposed logic of the Urban Lab is presented in the following diagrams that show the process in which the whole development is based.







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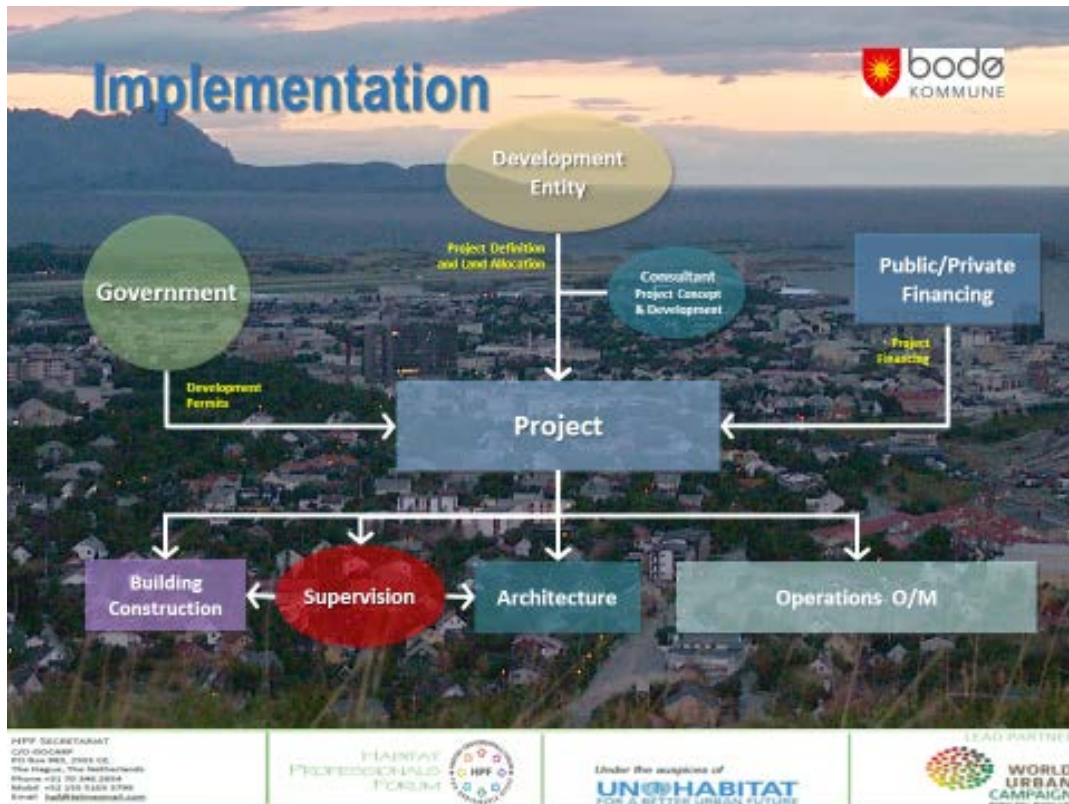


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## Proposed Time line for the Urban Lab

Activity	Dates 2016
ULab Call	June 20 <sup>th</sup>
Deadline for proposed candidates	August, 1 <sup>st</sup>
Base Documentation ready	August, 15 <sup>th</sup>
Team Selection & team logistics	August, 15 <sup>th</sup>
Arrival of Experts	September 9-10 <sup>th</sup>
ULAB Field Work Mission	September 11-17 <sup>th</sup>
Final Draft	December 2 <sup>nd</sup>
Final Presentation	TBD



## Proposed Timeline for the Urban Lab Week

Activity	Dates 2016
Arrival of Lab Team	Sept 9-10 <sup>th</sup>
Site Tour and initial involvement	Sun, Sept 11
Meetings with Government Officials, local (Morning) and Regional (afternoon)	Mon, Sept 12
Meetings with local nongovernment stakeholders (Morning)	Tue, Sept 13
Internal Discussion (afternoon)	Tue Sept 13
Internal Discussion (Full Day)	Wed-Fri 14-16
Preliminary results presentation (Morning)	Sat, 17 <sup>th</sup>
Farewell (lunchtime toast)	Sat, 17 <sup>th</sup>

## Proposed Team Composition

Expert Working field	Expected Outcome
Team Leader	Urban Lab Coordination
Urban Design	Compact City, polycentric design
Airport city concept	Content and structure of the New Airport
Urban Infrastructure	Waste & water treatment, green energy, Circular economy
Mobility	Mobility modes and means network
Real Estate Strategy	Phasing, Target Markets and Financing alternatives
Implementation entity	Definition of strategy and format
City Branding	Structure of the branding program