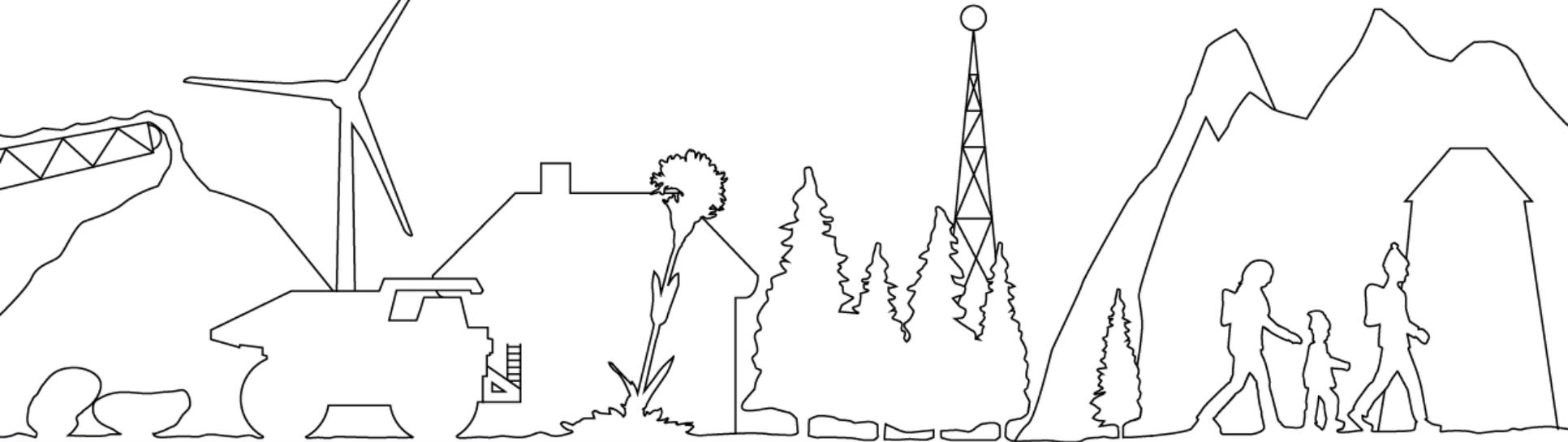


# Sweden's Minerals Strategy

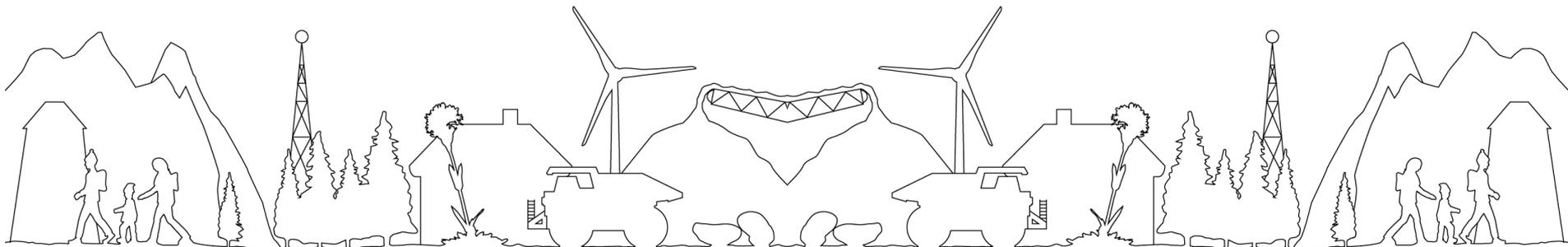
## Sustainable Mining in the Arctic Region

Brussels, 21 October 2014

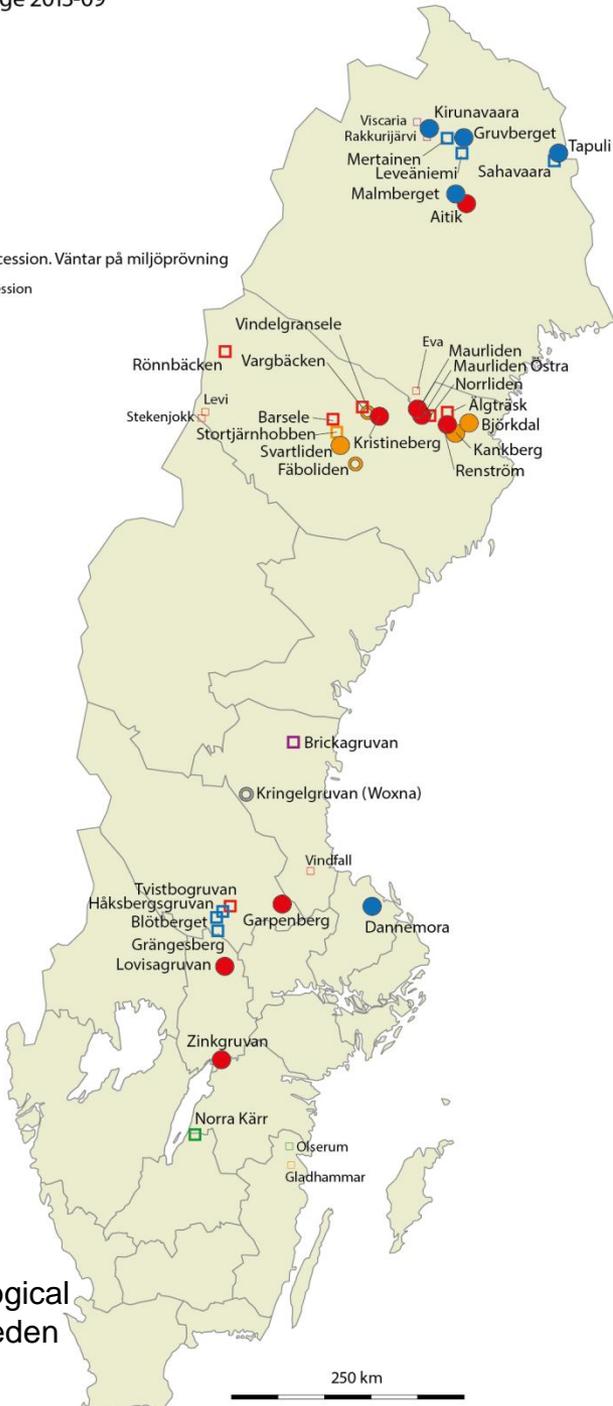
Bengt Wennerstein, Swedish Perm Rep



- **Brief facts about Swedish mining industry**
- **Legislative framework**
- **Sweden's Minerals Strategy**
  - *Process*
  - *Contents*
- **Other measures**



- Järn
- Järn och vanadin
- Basmetaller
- Guld
- REE
- Grafit
- I produktion
- Miljödom klar
- Beviljad bearbetningskoncession. Väntar på miljöprövning
- Ansökt om Bearbetningskoncession

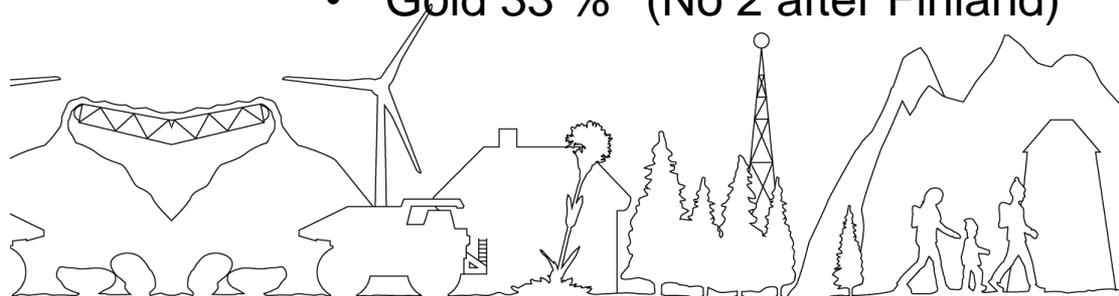


# Mining in Sweden

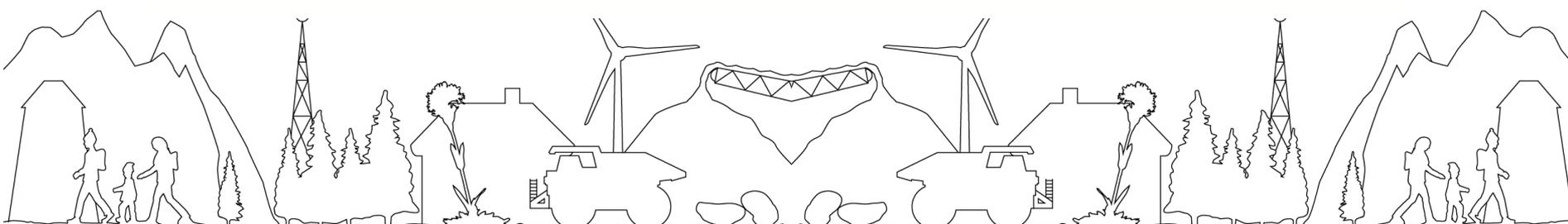
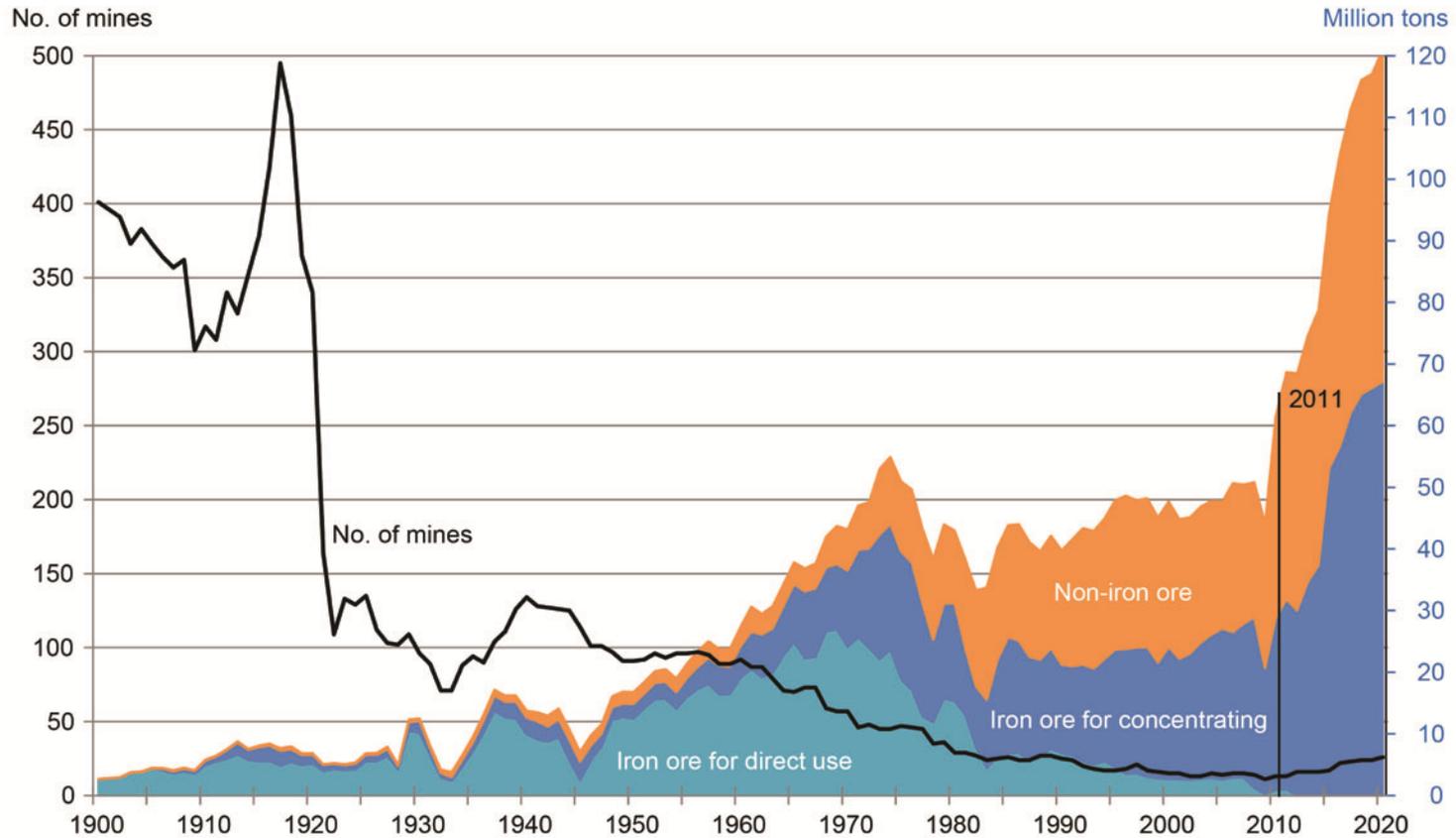
## Mining industry in Sweden today

- 16 active metal mines
- Employs appr 6 000 people
- Industry turnover 2011 4.5 billion €
- 1 % of GDP
- Governmental income 2011 1.5 billion €
- Large investments
  - LKAB KUJ1365 1.5 billion €
  - Northland 1.0 billion €
- Swedens share of EU27 production:
  - Iron 92 %
  - Lead 32 % (No 1)
  - Zinc 26 % (No 2 efter Irland)
  - Gold 33 % (No 2 after Finland)

Source: Geological Survey of Sweden

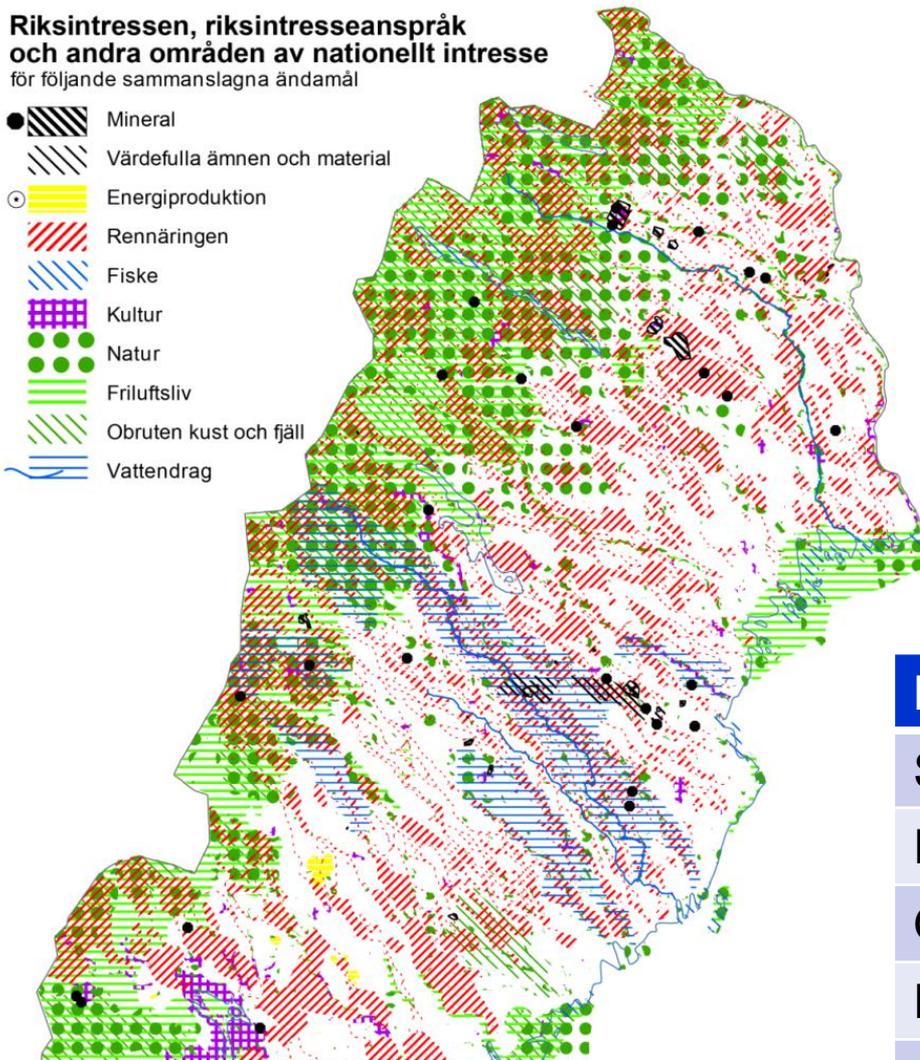


# Forecast for Swedish ore production until 2020



**Riksintressen, riksintresseanspråk  
och andra områden av nationellt intresse**  
för följande sammanslagna ändamål

- Mineral
- ▨ Värdefulla ämnen och material
- Energiproduktion
- ▨ Rennäringen
- ▨ Fiske
- ▨ Kultur
- Natur
- ▨ Friluftsliv
- ▨ Obruten kust och fjäll
- ▨ Vattendrag



## Land-use planning

### Regulated in Environmental Code

#### Areas of National Interest

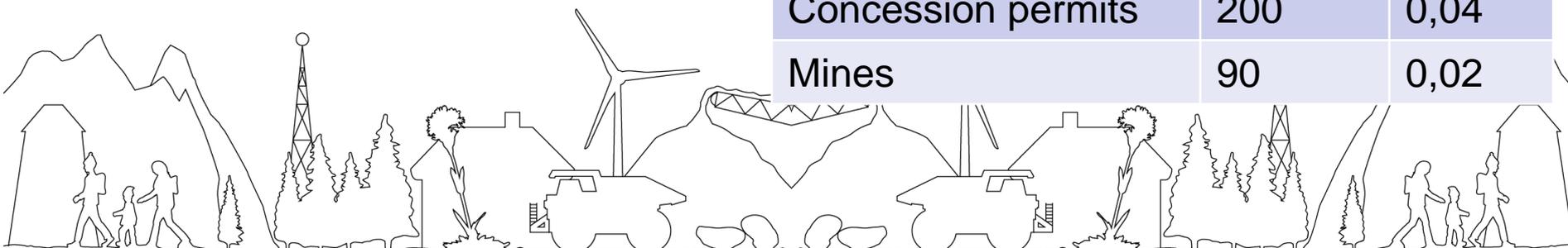
Red = Reindeer herding areas

Blue = Water and Fishing

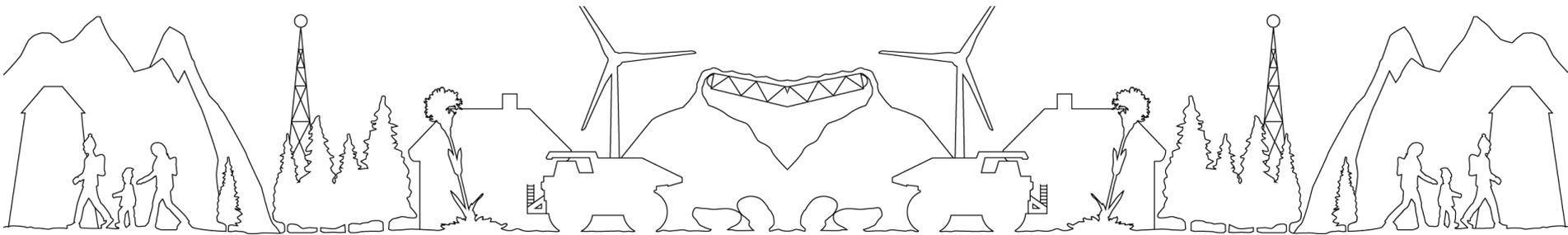
Green = Nature

Black dots = Mineral Extraction

Land use	km <sup>2</sup>	%
Sweden's total area	449964	100
Reindeer herding	228500	51
Golf courses	350	0,08
Parking lots	220	0,05
Concession permits	200	0,04
Mines	90	0,02



# Permitting process

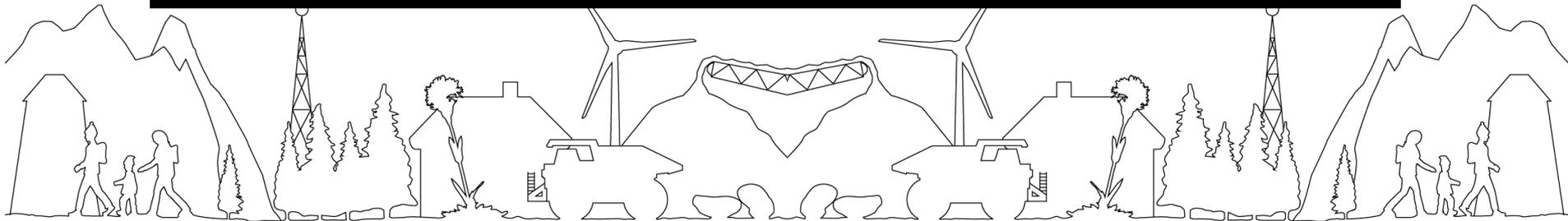


# Sweden's Minerals Strategy

- **Vision: 10 years from now**
- **19 concrete Actions (2014-2016)**
- **Addresses both mining and quarrying**
- **Response to EU Raw Materials Initiative 2008**

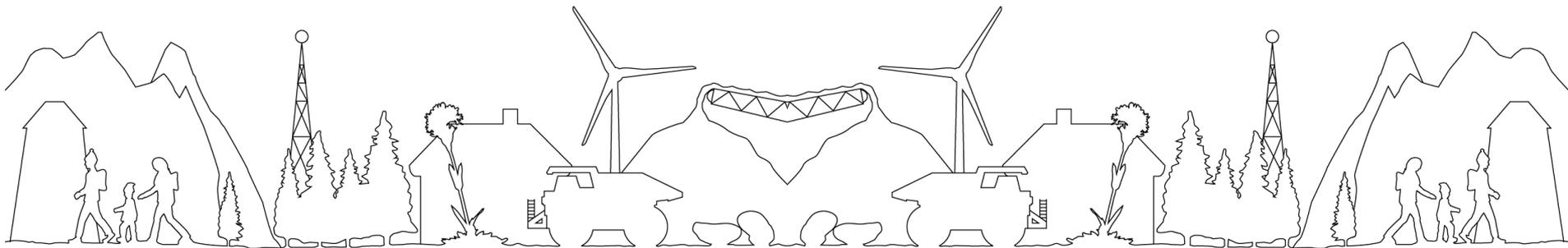


**Sweden's mineral assets are to be exploited in a long-term sustainable way, with consideration shown for ecological, social and cultural dimensions, so that natural and cultural environments are preserved and developed.**



# Developing the strategy

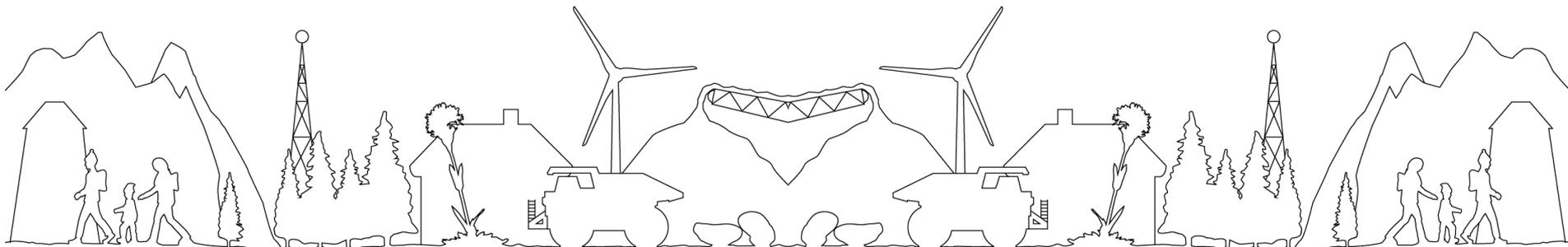
- Open invitation to contribute to the development of the strategy
- 39 written contributions
- Four thematic dialogue meetings were organised. They were open for anyone to attend. About 100 participants at each meeting.



# Vision

***“To create growth throughout Sweden by means of sustainable use of the country’s mineral resources, in harmony with environmental, natural and cultural values.*”**

***Sweden is strengthening its position as the EU’s leading mining and minerals nation. “***



# Five Strategic Objectives

## – 11 Action Areas and 19 Actions

In the minerals strategy, the Government identifies **five strategic objectives** that are considered to be of particular importance in order to reach the strategy's vision. These objectives are:

Within these five strategic objectives, there are **eleven action areas** to which a number of **goals** and **measures** are connected. These action areas are:

### 1 A mining and minerals industry in harmony with the environment, cultural values and other business activities.

1. Greater resource efficiency

Measures:

1. Survey and analysis of the extraction and recycling potential of Swedish metal and mineral assets (SGU, EPA).

2. System for reporting shot rock production data (SGU, EPA, Transport Agency, Boverket).

2. Better dialogue and synergy with other industries

Measures:

3. Manual for consultation between the reindeer and mining industries during permitting processes (Norrbotten CAB).

3. Mining communities with attractive natural and cultural environments

Measures:

4. Develop, compile and disseminate examples of how the cultural environment in Bergslagen can be utilised by the mining and tourist industries (Heritage Board)

### 2 Dialogue and cooperation to promote innovation and growth.

4. Promotion of societal development and regional growth

Measures:

5. Programme for exchange of knowledge and experience and coordination when new large-scale mines are being established (TVV).

6. Manual for municipalities where mines are to be established (TVV, EPA).

7. Review of obstacles preventing an increase in housing production to meet the expansion of the mining industry (Boverket).

8. Methodology for regional material supply planning (SGU).

5. Clearer distribution of responsibility and better flow of information among actors in the industry

Measures:

9. National minerals forum to promote dialogue, knowledge exchange and coordination.

### 3 Framework conditions and infrastructure to promote competitiveness and growth.

6. A clearer and more effective regulatory framework

Measures:

10. Follow-up and evaluation of performed initiatives to shorten environmental permitting lead-times (TA).

11. Pilot for comprehensive plan to support municipalities in their detailed planning work (Norrbotten CAB).

7. Infrastructure investments for growth in the mining industry

Measures:

12. Use experience from FFI to develop electric propulsion systems for trucks on the road (Transport Agency).

### 4 An innovative mining and minerals industry with an excellent knowledge base.

8. Research and innovation that create growth and competitiveness

Measures:

13. Biometric subject review of the mining and minerals research area. Propose improved forms of cooperation between business sector and academia (Vinnova, VR).

9. Skills supply that meets the needs of the industry and the regions

Measures:

14. Increase knowledge about the role of geology in society and highlight the industry as a workplace (SGU, business sector).

15. Regional skills platforms are to draw up plans for how to meet the long-term skills supply needs, mpetensförsörjningsbehovet.

### 5 An internationally renowned, active and attractive mining and minerals industry.

10. A good supply of capital and promotion of investment

Measures:

16. Analysis of Sweden's attractiveness as a mining country, from an international perspective (TA).

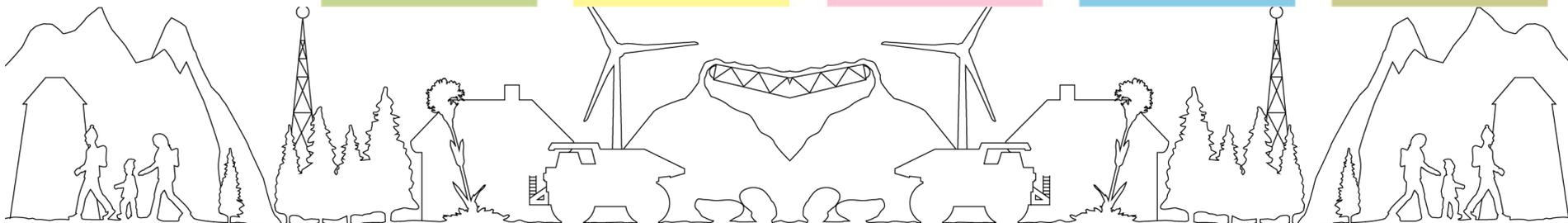
11. Greater participation in the international arena

Measures:

17. Investigate the conditions for establishing a communication and marketing platform to present activities for greater internationalisation (Business Sweden).

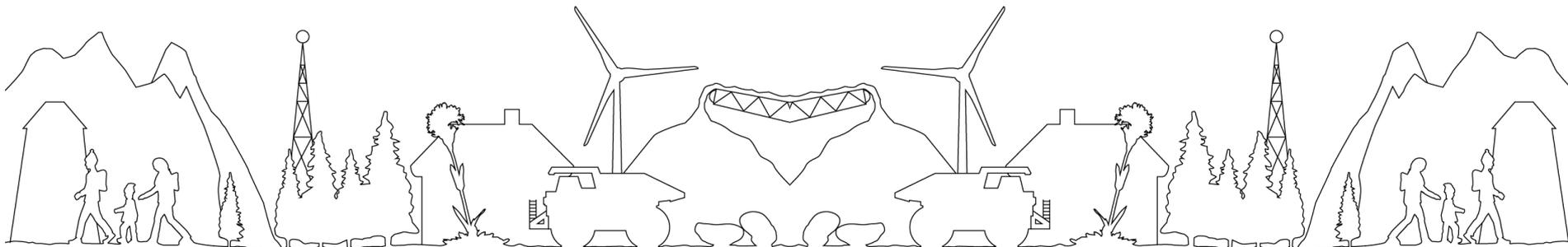
18. Propose how Sweden and Swedish enterprises can contribute to a sustainable mining industry in developing countries (SGU).

19. Sound out countries for more in-depth contacts at government level.



# Other measures taken by the Government

- Infrastructure, bill adopted in 2013: 390 million €
- Increased funding to the Geological Survey of Sweden for improved geological information: 13.5 million €
- Research and innovation, bill adopted in 2013: 23 million €
- Budget bill for 2013: Increased funding to environmental courts



# Thank You! - Questions?

## The Strategy:

<http://www.government.se/sb/d/574/a/2189>

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