

Municipality of Tromsø

Tromsø city - Approaches to climate changes

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Municipality of Tromsø

Overview presentation

- Status – climate change Tromsø/Northern Norway
- Today's automated waste collection
- Plans for an energy recovery plant
- Municipality of Tromsø's "Plan of action for climate and energy"

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Status climate change


- Changes in the marine eco systems
- Sea level rise (long term)
- Deglaciation
- Geopolitical issues – border/frontiers disputes

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Changes in the marine eco systems

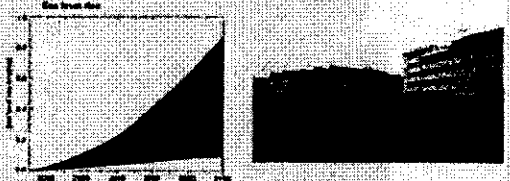
- Distribution of fish resources
- Reduction of sea tangle - reduction of costal cod
- New species appear. I.e herring and mackerel



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Sea level rise



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Deglaciation



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Overview presentation

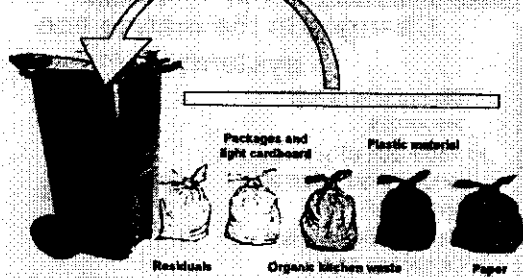
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Automated waste collection

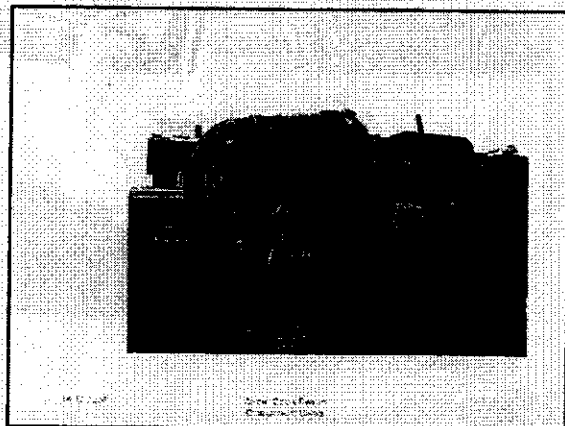
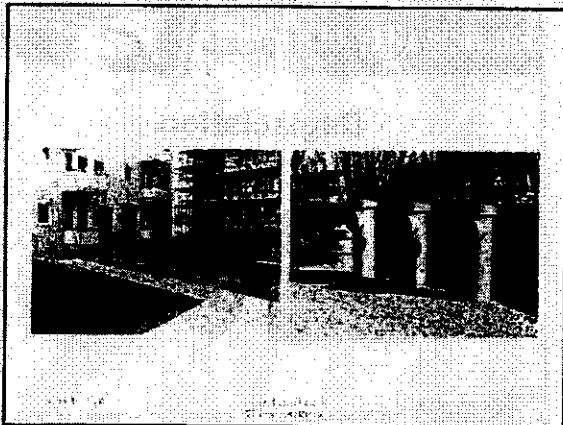
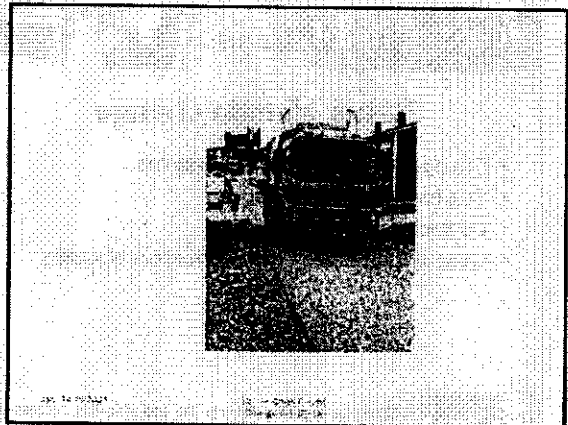
- **Modern system**
- **Important elements of the systems are:**
 - Optical sorting system
 - Vehicles with hydraulic lifting arm (operated by one worker)
 - Vacuum equipped underground pipes

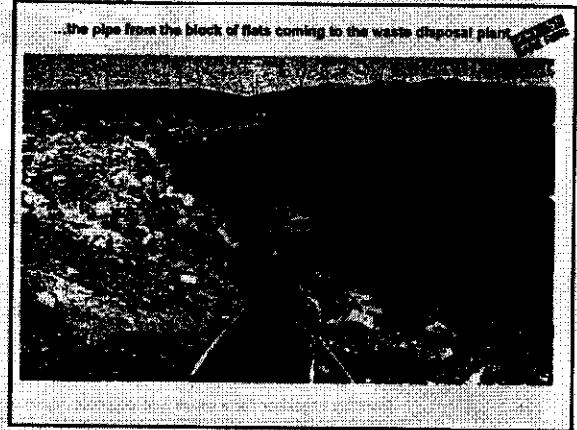
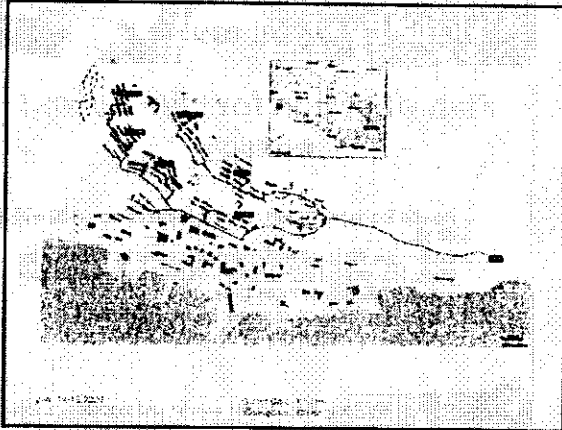
Optical sorting system



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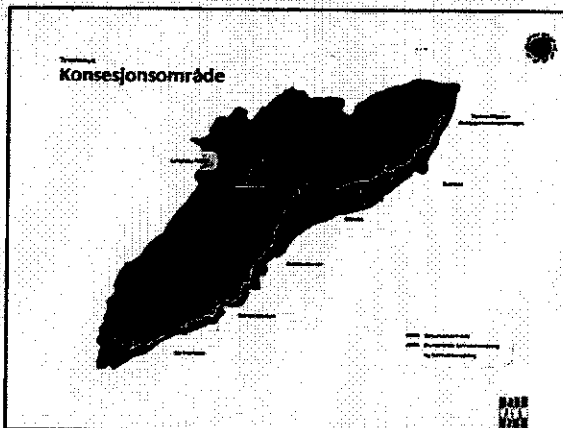
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Plans for an energy recovery plant

- National law on depositing biodegradable waste:
 - Forbidden from 1 July 2009
- Biodegradable residual waste to be recovered
- Energy recovery plant with the capacity of 80 000 tons residual waste per year
- Energy recovery plant = remote heating plant

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Plan of action for climate and energy

Adopted by the City Council June 2008:


- Reduce climate change emissions by 50 % in 2020 compared to 1990 level
- Use of fossil energy for house heating to be ended by 2020.
- Waste disposal per inhabitant to be reduced by at least 30 % by 2015 and 40% within 2018.


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Plan of action for climate and energy

- Public transportation to be increased by 50 % within 2018.
- Minimum 80 % of new vehicles sold in Tromsø by 2018 should be climate neutral/non-emission and without studded snow tires.
- Paper consumption in the municipality to be reduced minimum by 20 % within 2010.

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Thank you

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