



# NEW DEMO

## Processing of Associated Gas and Use for Heat Supply in Konda Region of Khanty-Mansiysk AO



2<sup>nd</sup> Steering Committee Meeting, April 25-26, 2007, Saint Petersburg

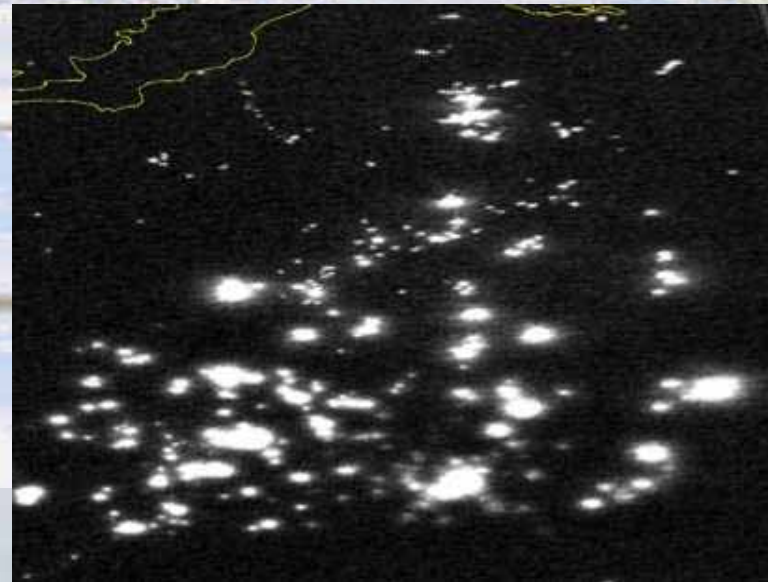
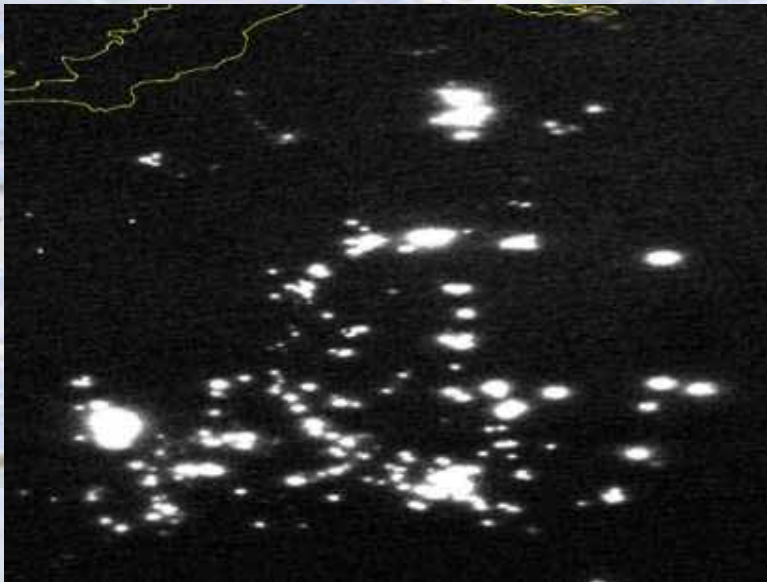




# Gas-Flaring Project

December 25th , 1992

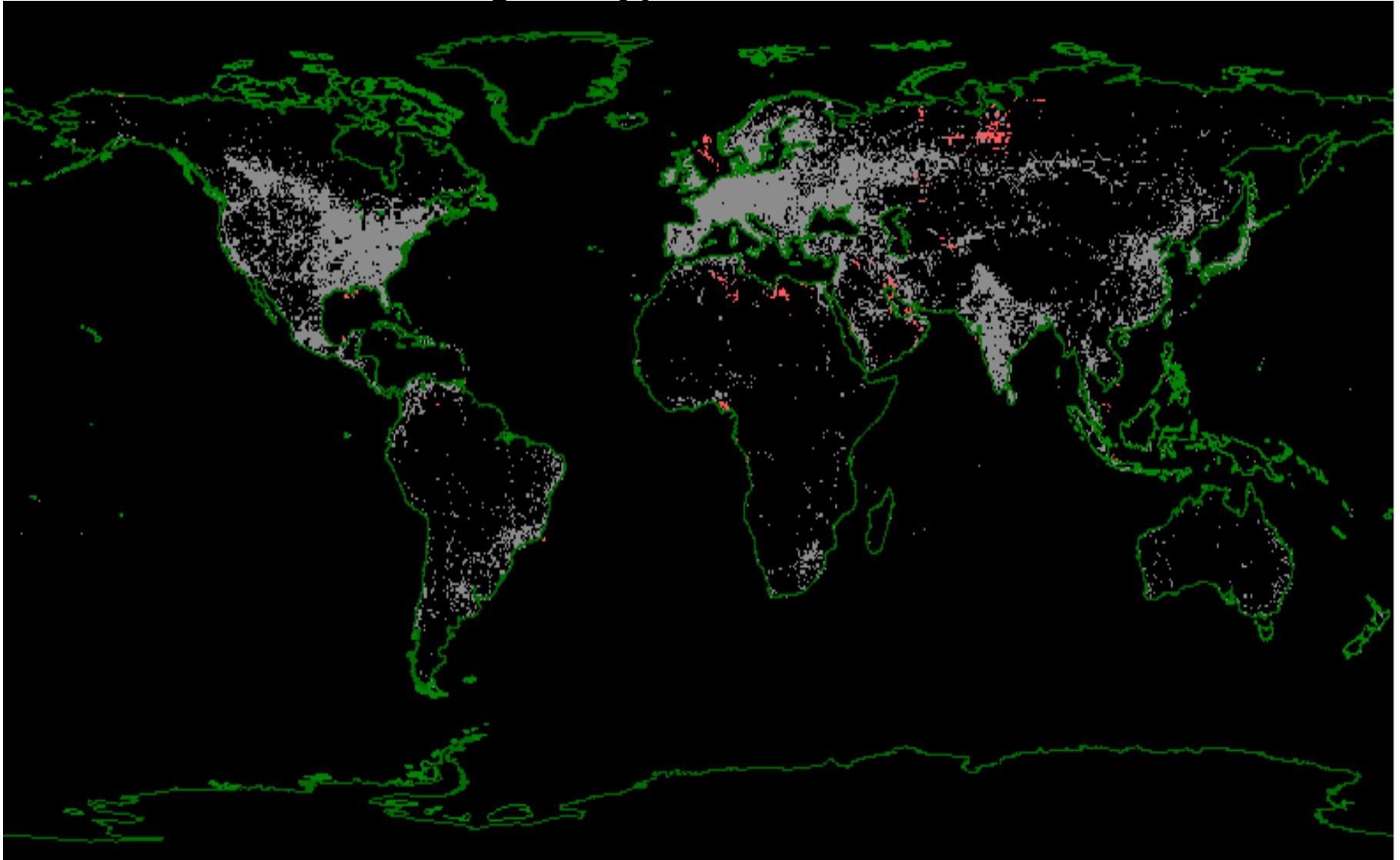
January 9th, 2002



2<sup>nd</sup> Steering Committee Meeting, April 25-26, 2007, Saint Petersburg

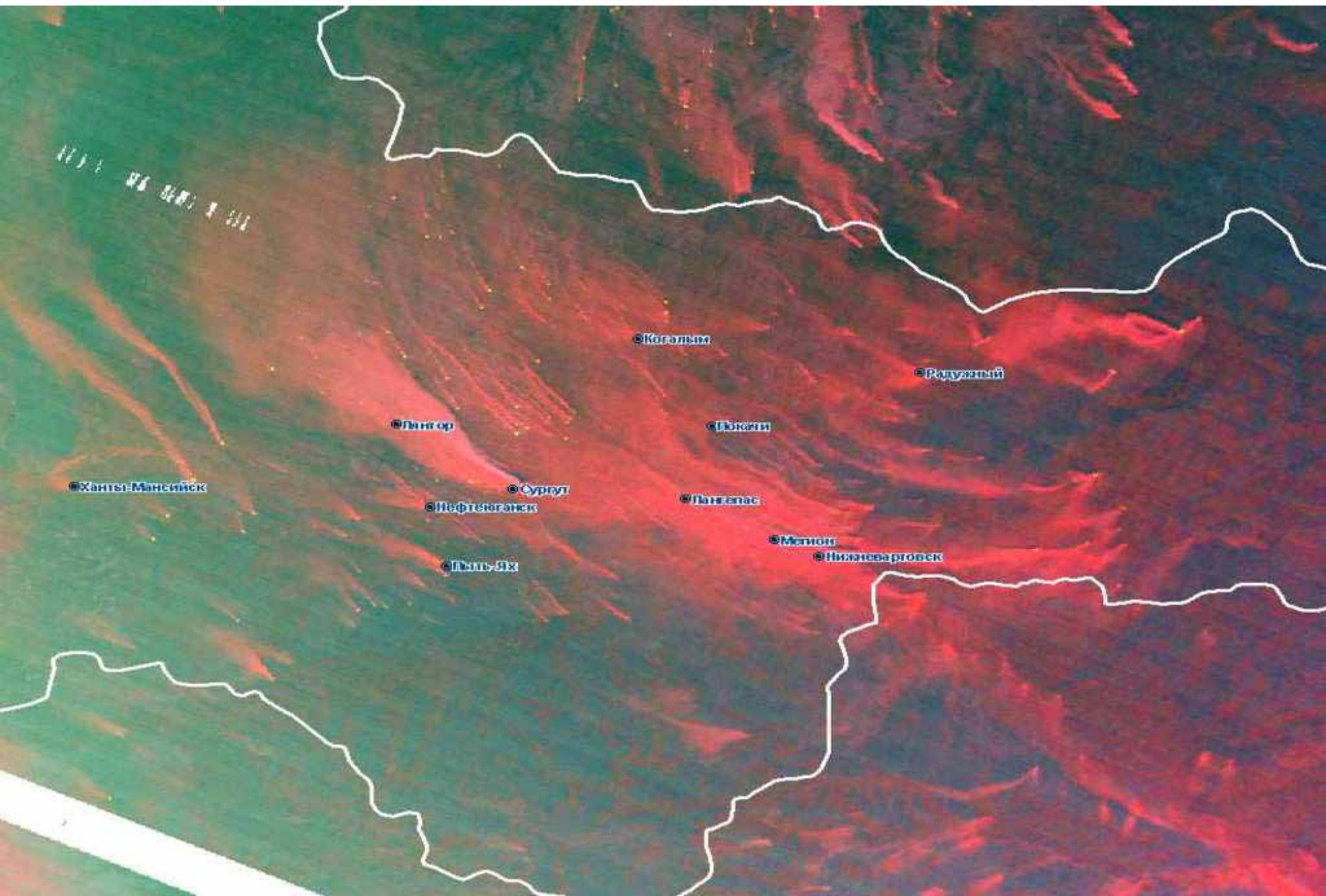


# World: City Lights and Gas Flares

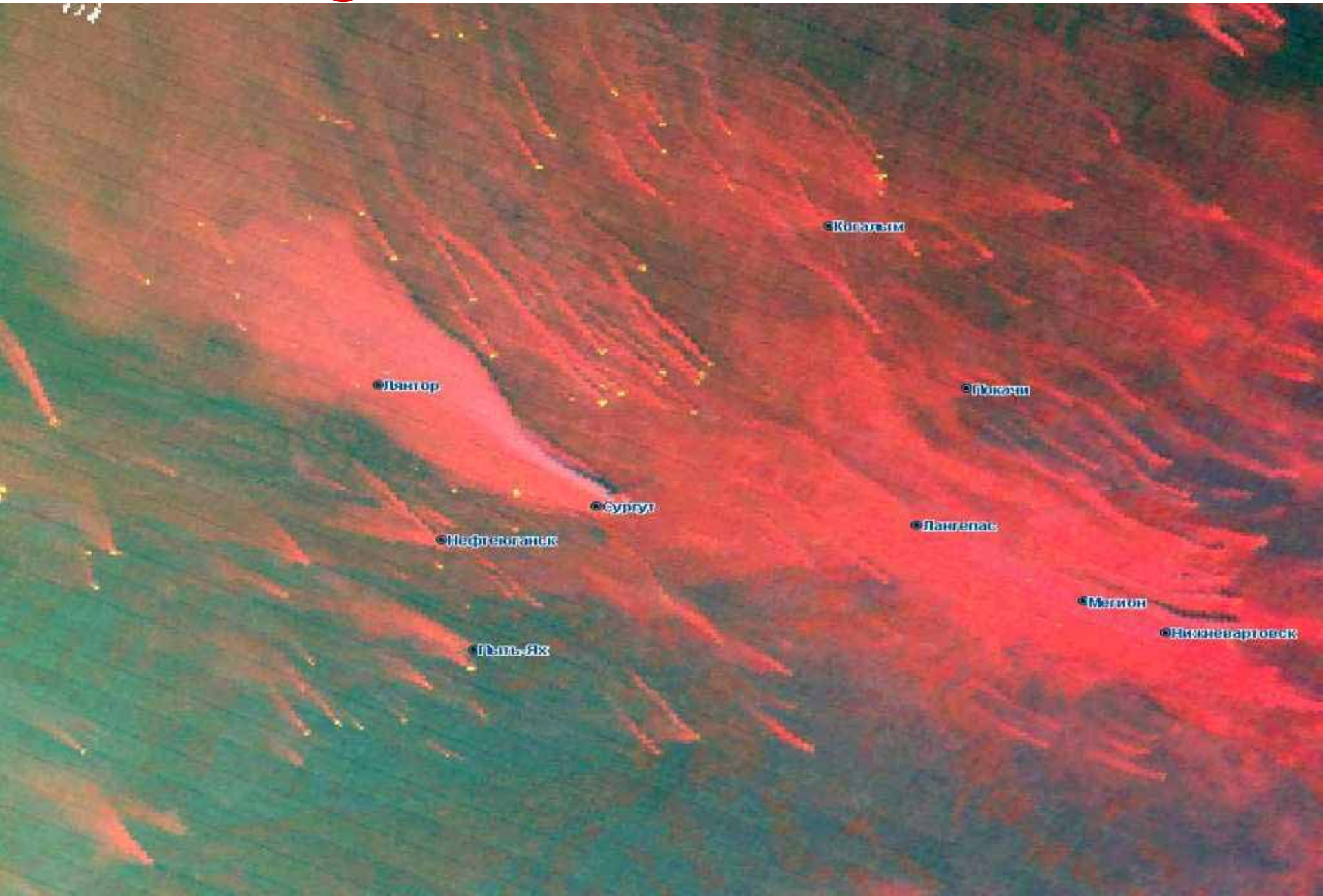


1994-95 Satellite data. Flares in **Red**, City Lights **Grey**.

# Gas Flaring in Russia: Western Siberia (1)



# Gas Flaring in Russia: Western Siberia (2)





# Project Objective

- 1. Utilization of associated natural gas (ANG) at small-scale flares by separating it into fractions and liquifying it.**
- 2. Supply of ANG processing products to meet the needs of Konda and October districts (municipal heat supply, replacement of solid and liquid fuels with natural gas at industrial boiler houses, and household needs of the district population).**
- 3. Reduction of the cost of heat supply for the people of Konda region, reduction of the level of subsidies from the regional budget for the production of heat energy**





# **INNOVATIVE APPROACH & DISSEMINATION POTENTIAL**

***1. The ANG utilization project has two innovative features:***

- Utilization of associated natural gas from small-scale flares at oil facilities***
- Use of cryogenic technologies to liquify the gas and transport the methane-ethane fraction of the gas in a liquid state to place of use.***

***2. Further application of the technologies and approaches tested during project implementation to solve the problem of using associated natural gas at small-scale flares and to develop “small” energy industry on this basis.***

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# BUDGET & NPA-ARCTIC INPUT

***TOTAL COST – ABOUT 19 MLN US\$***

***NPA-ARCTIC INPUT - ?????***



**2<sup>nd</sup> Steering Committee Meeting, April 25-26, 2007, Saint Petersburg**

