



Environment and Climate
Regional Accession Network

ECRAN

TAIEX-ECRAN Sub-Regional Workshop on Appropriate Assessment on Serbian Pilot Sites (Natura 2000)

Workshop I: Screening (Stage I of Appropriate Assessment)

Topic: Pilot project introduction

Novi Sad, Autonomous Province of Vojvodina, Republic of Serbia 24 – 26 September 2014



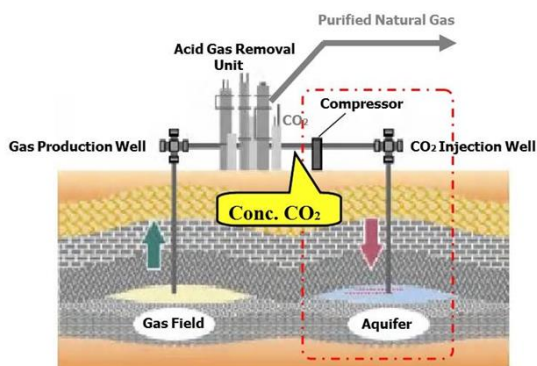
This Project is funded by the European Union



A project implemented by Human Dynamics Consortium

Project introduction

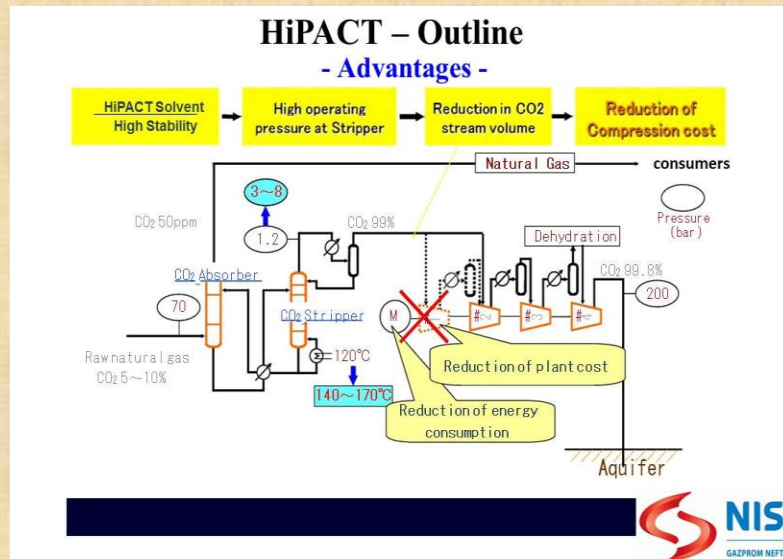
CO₂ Separation + CCS



Environment and Climate
Regional Accession Network

ECRAN

Project introduction



Environment and Climate
Regional Accession Network



Project introduction

- Pilot area is important source of natural gas and oil.
- Oil and gas is excavated here for ages, now by the company Gazpromneft NIS Serbia
- Company keen to reach EU standards as well as lower environmental pollution: problem of CO₂ in natural gas.
- During years 2013 – 2014, project for CO₂ separation and its transportation and pumping into earth implemented
- Project consists of three basic parts:
 - a) CO₂ separation unit at Elemir
 - b) Gas pipeline to the pumping station
 - c) Pumping station pumping CO₂ underground
- The trench for pipeline should be



Environment and Climate
Regional Accession Network



Project introduction

- Pipeline: steel pipe, Ø168,3 * 11.0 mm and Ø114,3mm that will transport the dried carbon dioxide extracted from natural gas.
- Start route: Elemir- Amine plant facility for the preparation and transportation of oil and gas
- Completion of the route: Melenci - SNGS "Rusanda,,
- Trench proportions proposal:
 - Breadth 0,5 m
 - Depth 1,00 m

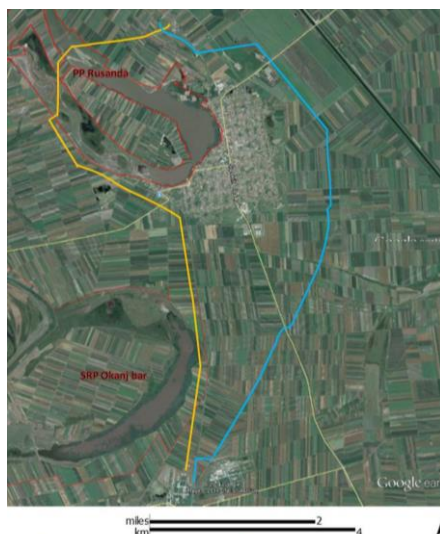


Enviroment and Climate
Regional Accession Network



Project introduction

Var. 1: 12.86 km



Var. 2: 11.83 km



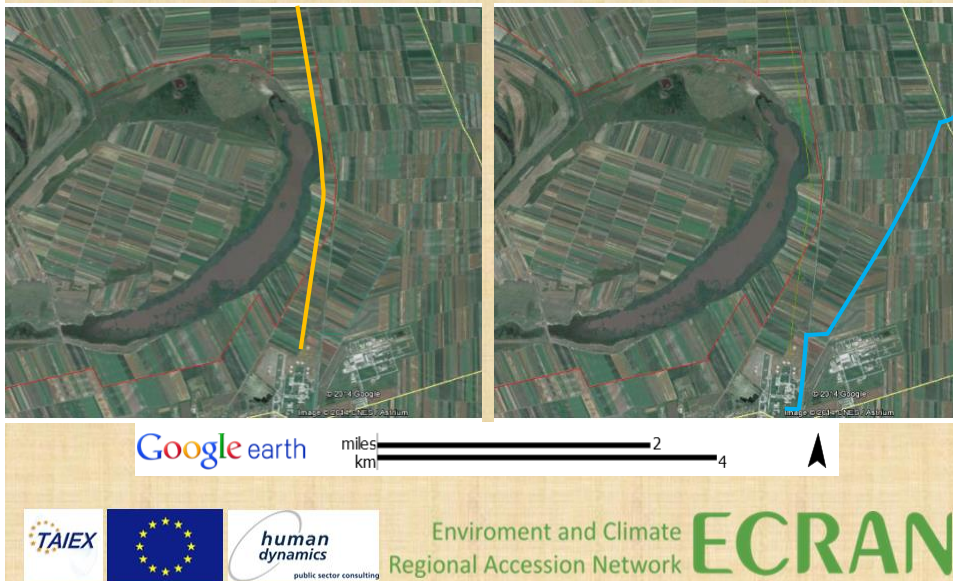
Enviroment and Climate
Regional Accession Network



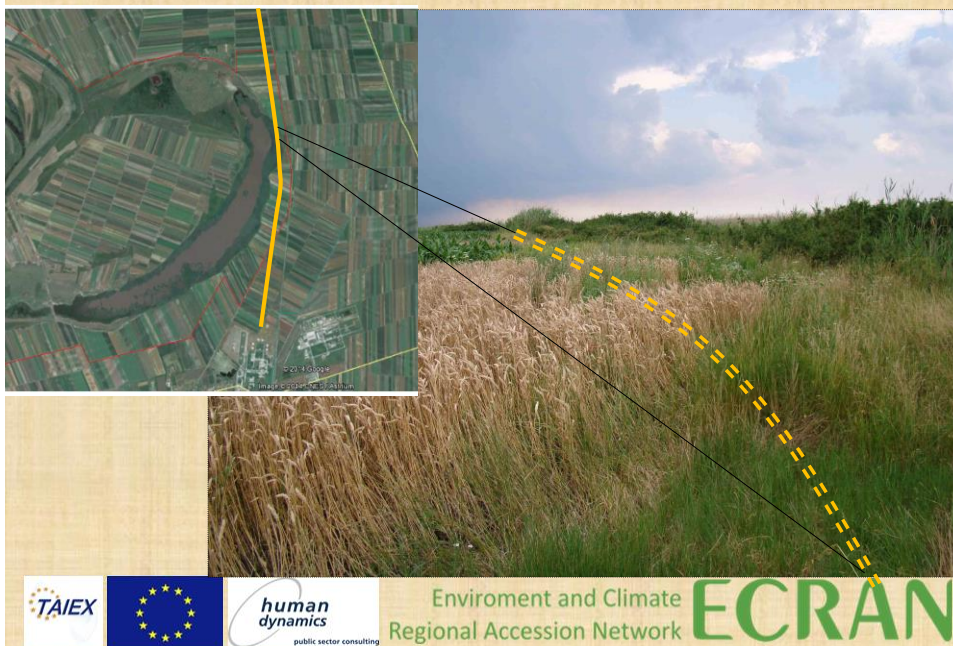
Okanj bara – detail of pipeline location

Var. 1

Var. 2



Okanj bara – detail of pipeline location



Rusanda - pipeline location

Var. 1

Var. 2



Google earth

miles
km

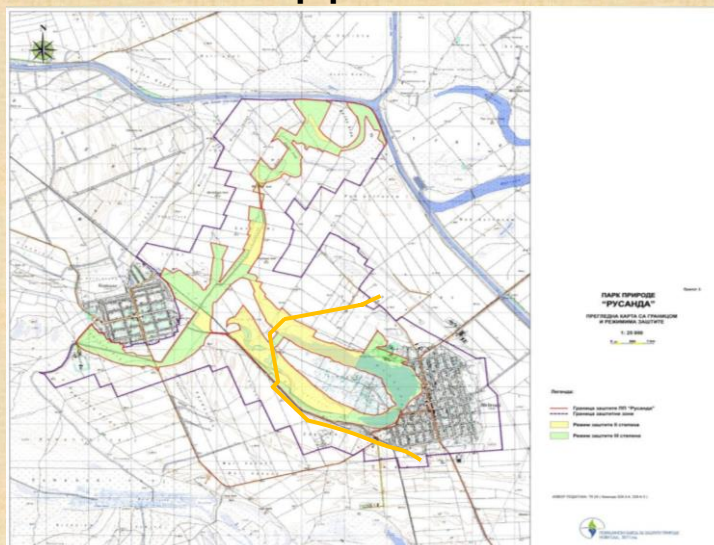
4
7



Enviroment and Climate
Regional Accession Network

ECRAN

Protection zones in Rusanda Natural park and pipeline



Enviroment and Climate
Regional Accession Network

ECRAN

Rusanda – detail of Var. 1 of pipeline location



Google earth

feet
km

4000
1



Enviroment and Climate
Regional Accession Network

ECRAN

Rusanda – detail of Var. 1 of pipeline location



Google earth

feet
km



Enviroment and Climate
Regional Accession Network

ECRAN

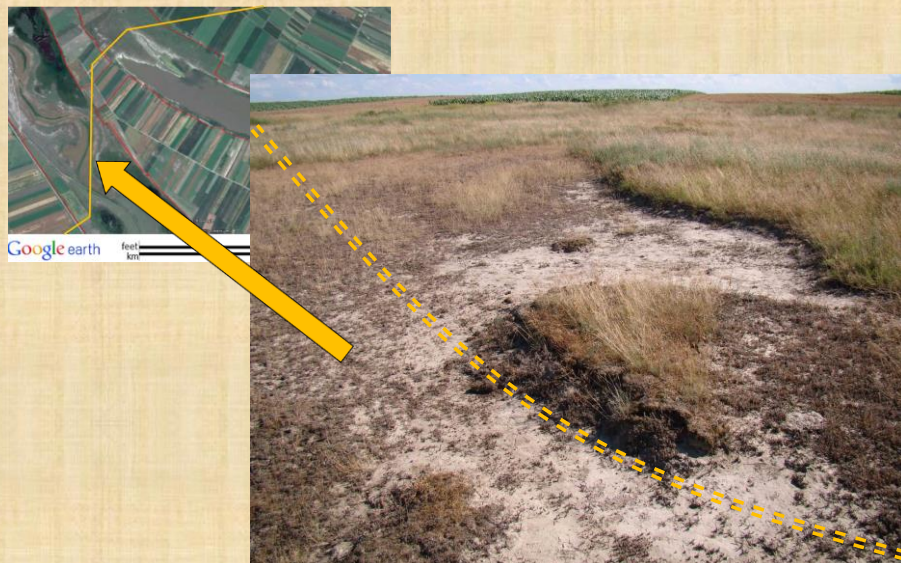
Rusanda – detail of Var. 1 of pipeline location



Enviroment and Climate
Regional Accession Network

ECRAN

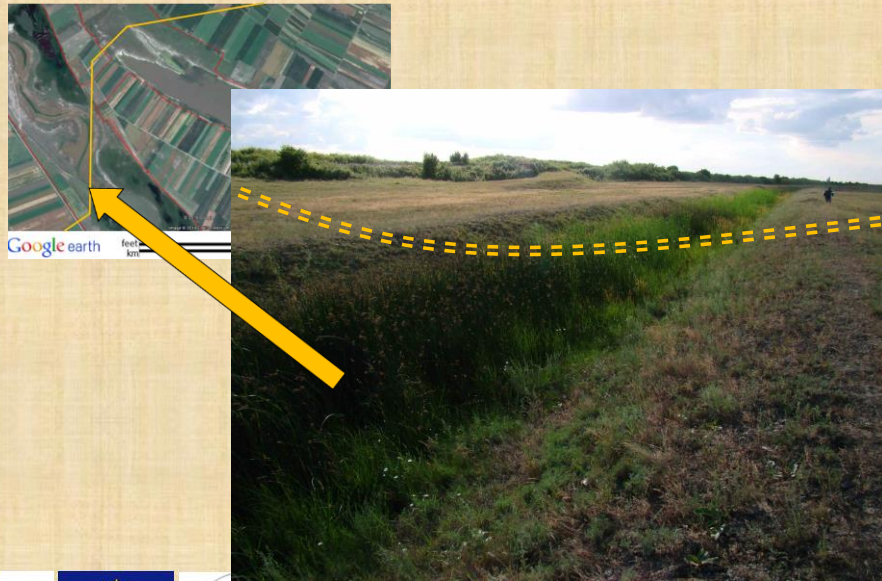
Rusanda – detail of Var. 1 of pipeline location



Enviroment and Climate
Regional Accession Network

ECRAN

Rusanda – detail of Var. 1 of pipeline location



Enviroment and Climate
Regional Accession Network

ECRAN