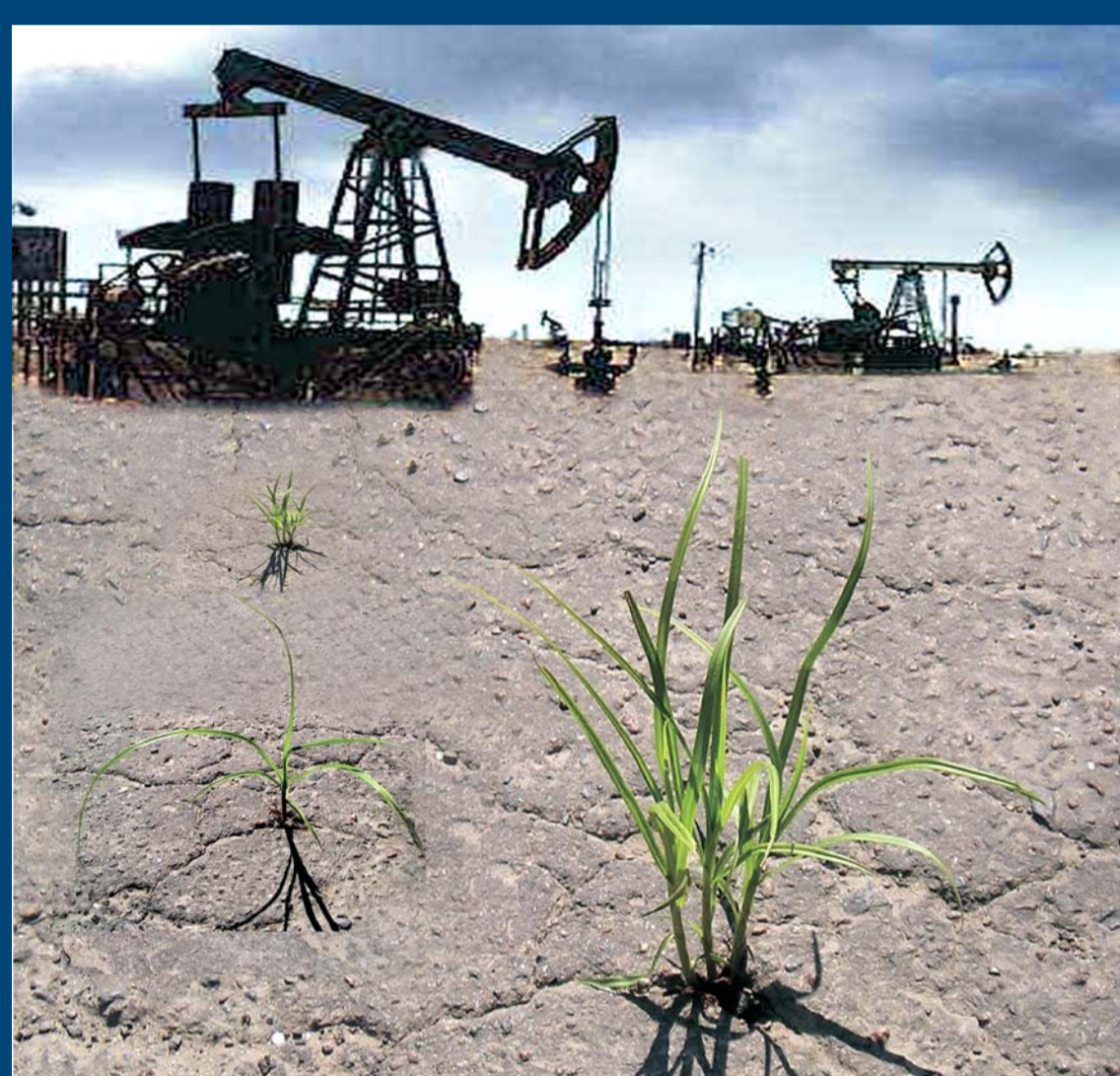




IVAN FRANKO NATIONAL UNIVERSITY OF LVIV

BIOTIC METHOD OF THE RECULTIVATION OF OIL POLLUTED SOILS



To recultivate oil polluted soils there has been developed a method of their biotic purification using rhizomes of *Carex hirta* plants.

This is a cheap, environmentally safe method which considerably accelerates processes of degraded soils recovery and their secondary use.

Carex hirta plants are tolerant towards oil pollution; they survive and grow on territory

with oil concentration of 98 g/kg.

The experiments have shown that *Carex hirta* planted into oil polluted soil helps to destruct oil and oil products as well as restore its physical and chemical quality (acidity, air and water balance, etc.), renew its microflora quantity (saprophytes, microscopic funguses and yeast, cellulose destructive, propionic, oligonitrophilic and nitrifying bacteria).

Decision on the issue of declaration patent for the practical model "Method of purification of soils polluted by oil" from 10.02.2006 on application № U4200511816 from 12.12.2005.

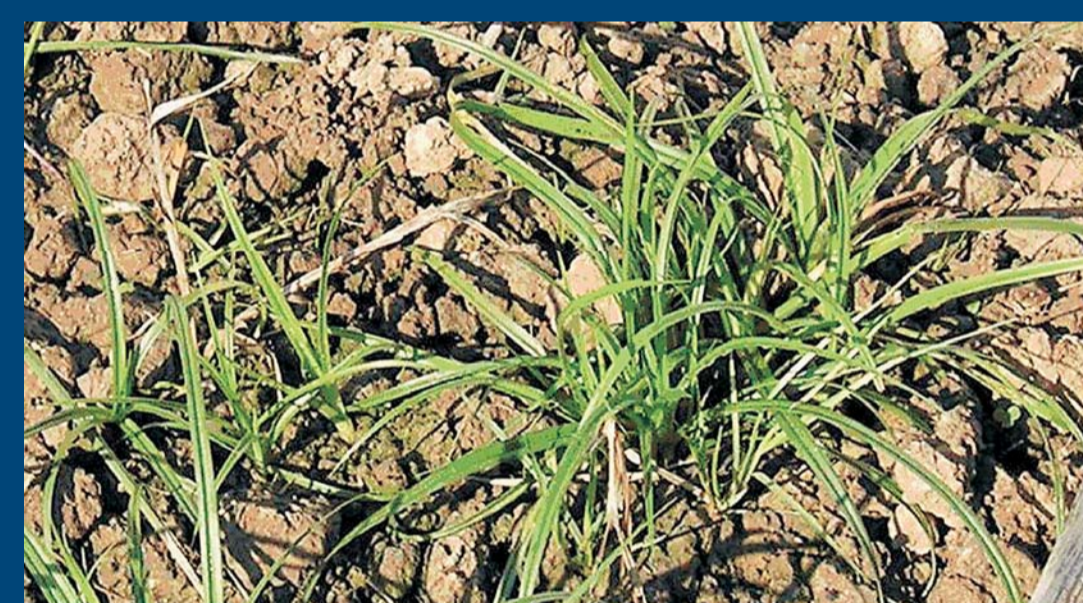
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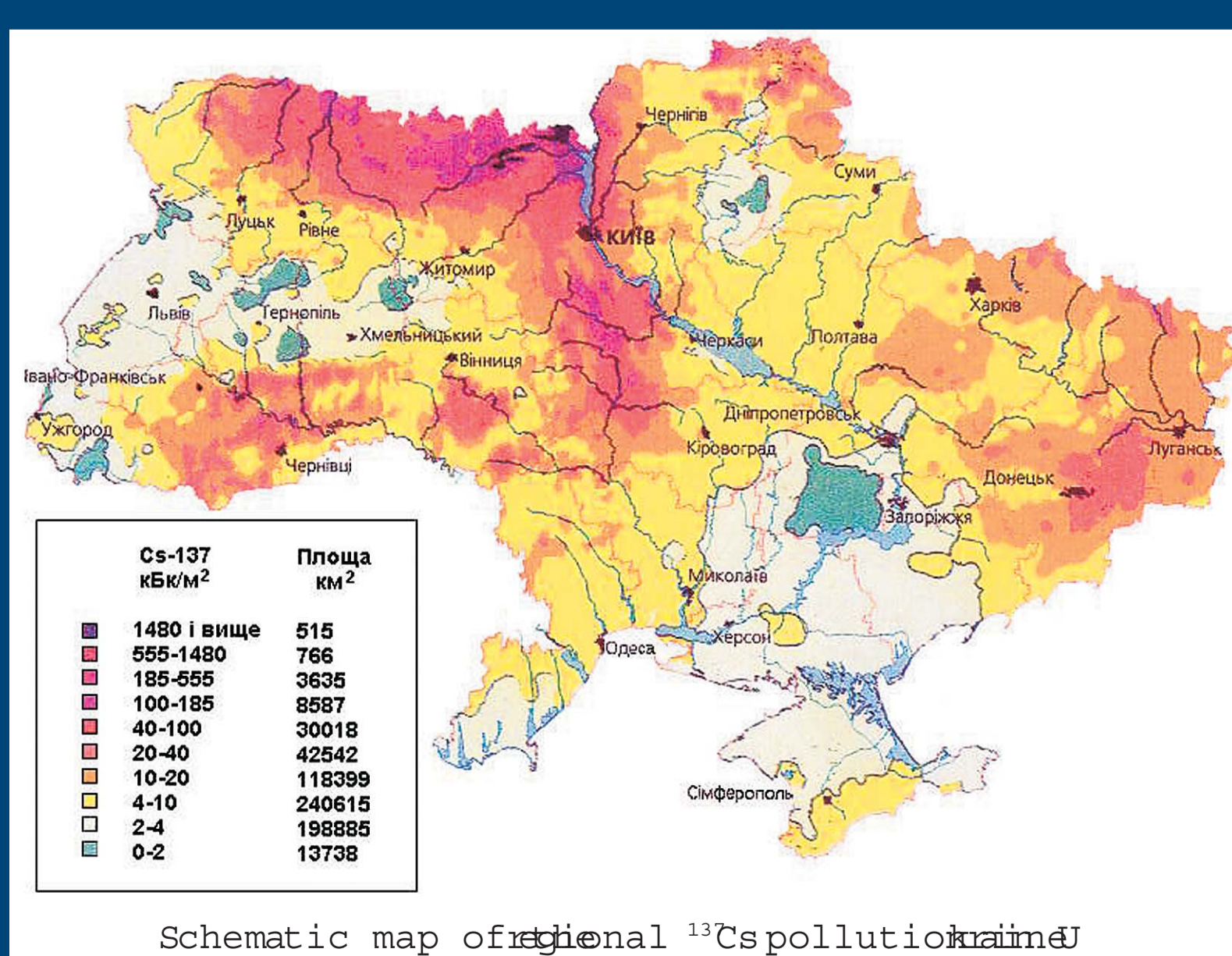
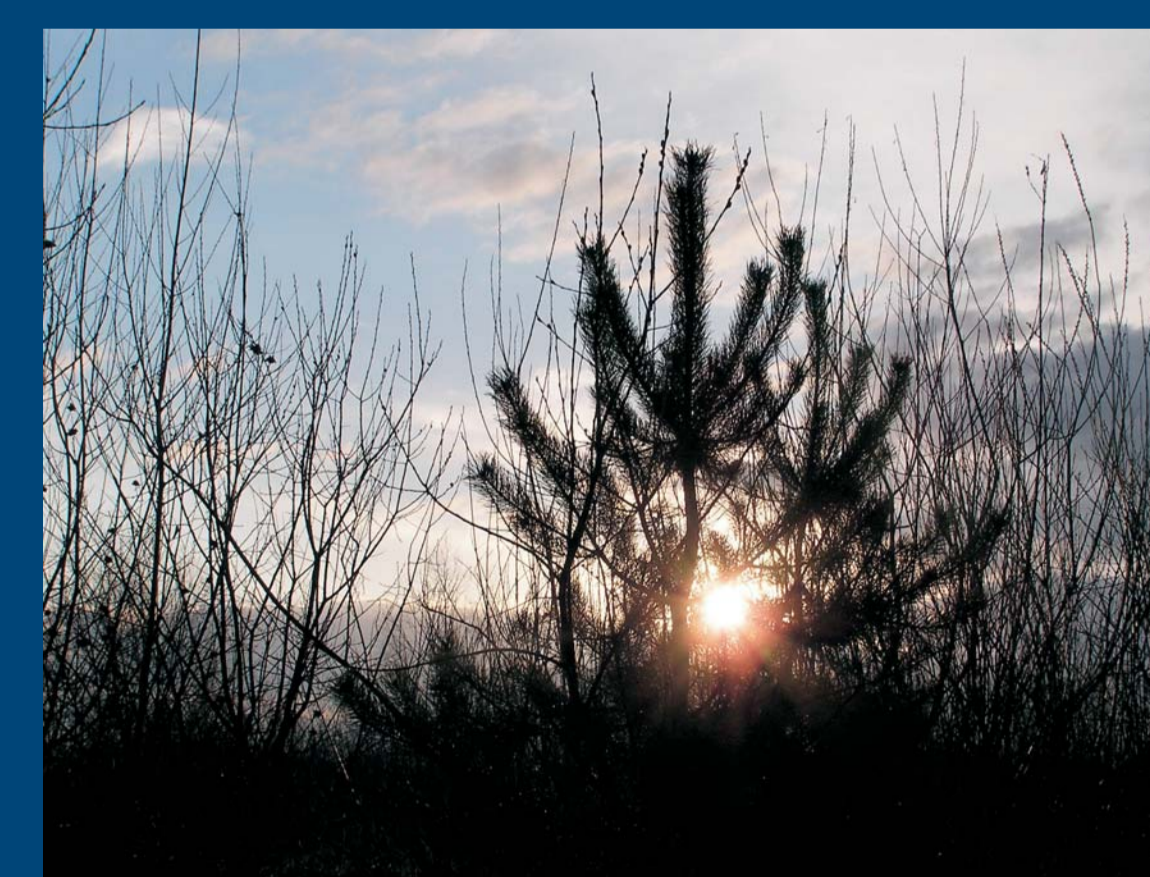
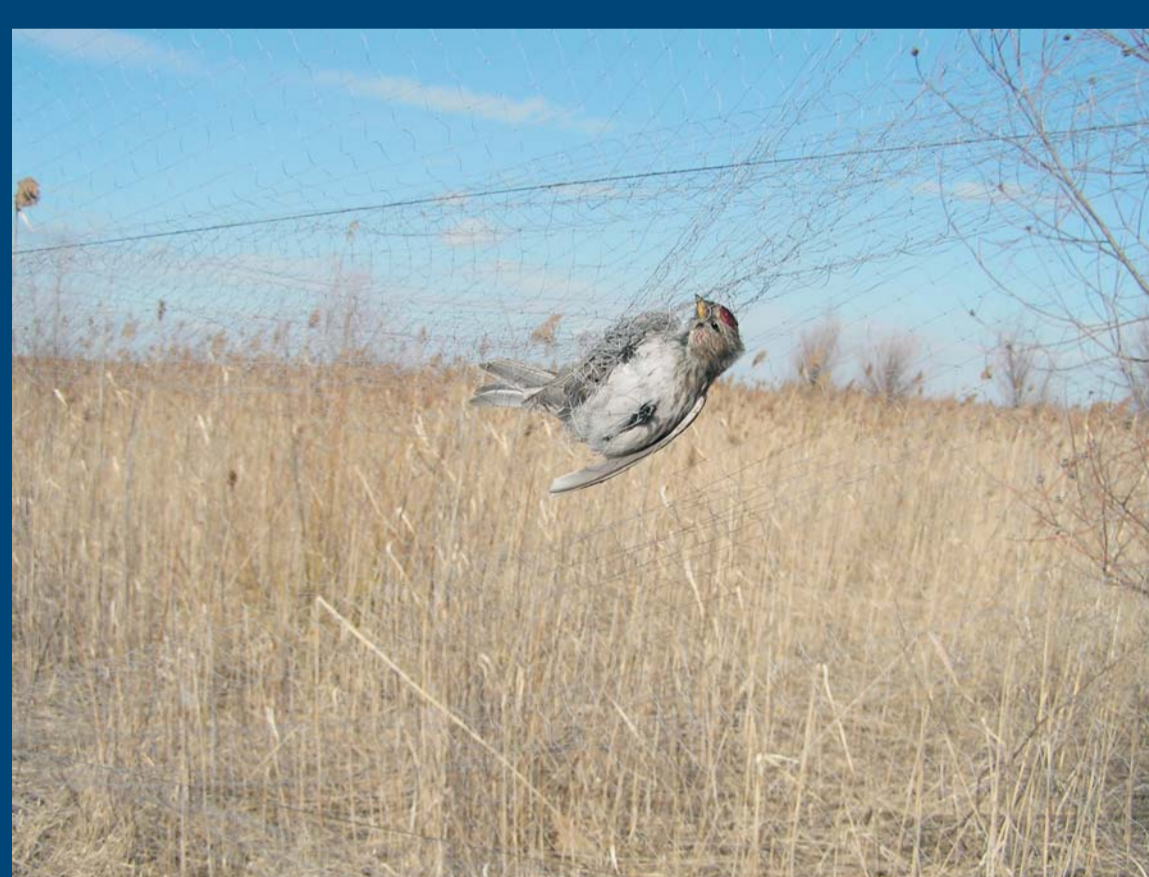


Carex hirta



Schematic map of the oil and chemical pollution of Ukrainian soils (points)

THE USE OF ECOLOGICAL DATABASES GEOINFORMATIC SYSTEMS AND TECHNOLOGIES FOR THE EVALUATION OF THE PROSPECTS OF THE DEVELOPMENT OF RECREATION IN THE SHATSK NATIONAL NATURAL PARK



The investment attraction of Shatsk district is connected with the conservation state of ecosystems natural values and their biodiversity.

The existing database provides for rational planning of the land and natural resources management; the latter is the largest economic asset of the region.

Author of the project :

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The use of existing information will assist in the optimal management of natural resources, and ecologically grounded use of the land.

The existing database is the ground for the stable use of the regional resources, planning and development of extremely popular ecological tourism.

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