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THE HONEY BEE, THE GUARANTEE OF CONSERVATION OF THE MELLIFEROUS SOURCES OF CROATIAN COAST AND PRODUCER OF HONEYS INDICATORS OF KARST BIODIVERSITY



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**L'APE, GARANTE DELLA CONSERVAZIONE DELLE RISORSE
MELLIFERE DELLA COSTA CROATA E PRODUTTRICE DI
MIELI INDICATORI DELLA BIODIVERSITÀ CARSICA**

Faculty of Medicine, University of Rijeka



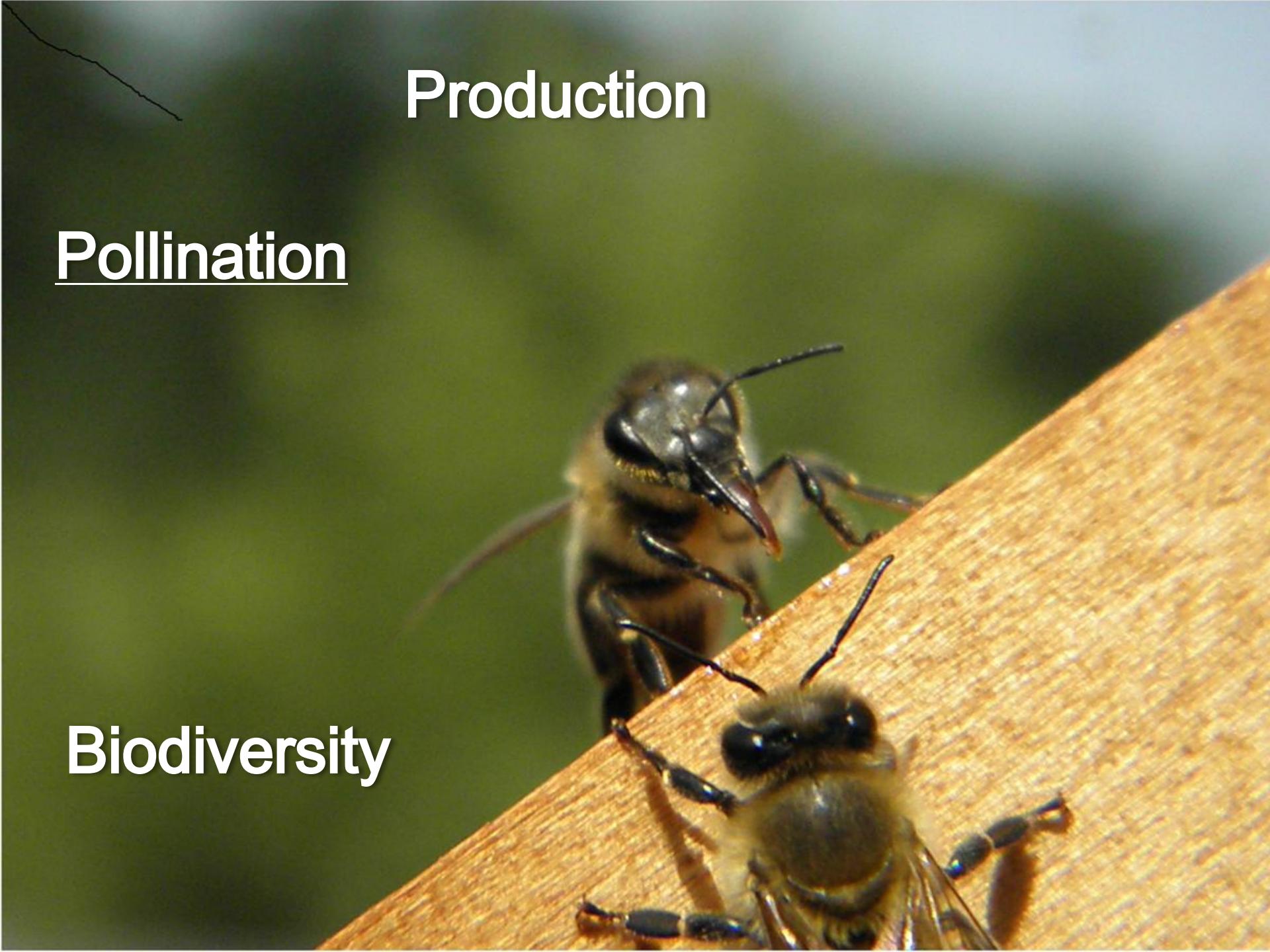
IFOAM AgriBioMediterraneo

Croatian Apitherapy Society

Carniolan honey bee

Apis mellifera carnica Pol.



A close-up photograph of two bees on a light-colored wooden surface. One bee is in sharp focus in the foreground, facing away from the camera. Another bee is slightly blurred in the background, positioned higher up on the same surface.

Production

Pollination

Biodiversity



Environmental management

Rural development

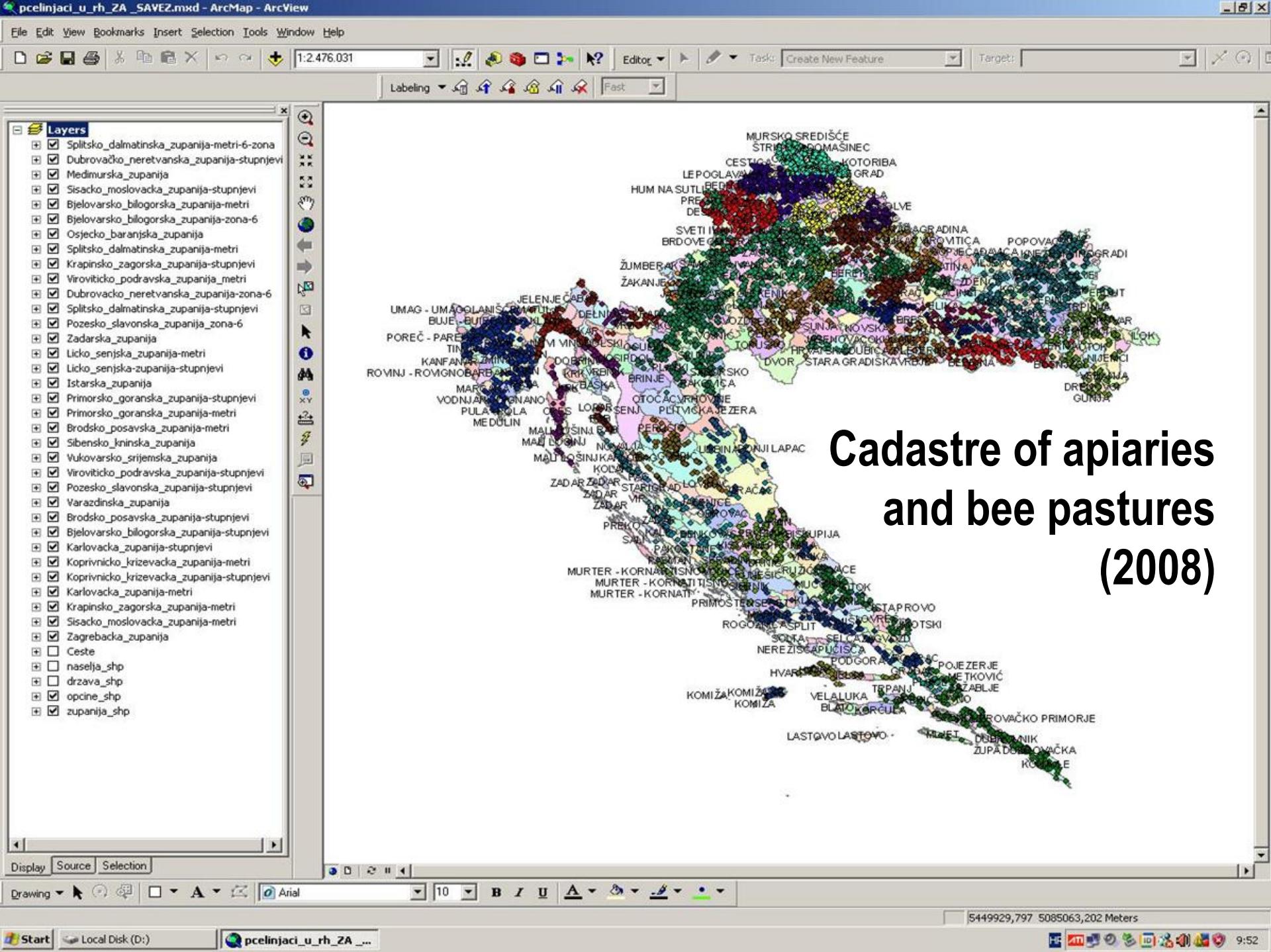
Social and economic balance

**Which are the main bee pastures available for
the Carnolian bee in Croatian karst?**

BIODIVERSITY



Cadastre of apiaries and bee pastures (2008)



http://pcele.hpa.hr/katastarHPS - Avant Browser

File Edit View Bookmarks Autofill Tools Help

Done

Katastar pčelinjaka i pčelinjih paša

Pretraga medonosnog bilja

Results

lavanda (55)

- MedonosnoBilje (55)
- Records 1 - 25 of 55:
- Lavandula angustifolia
- Lavandula angustifolia
- Lavandula angustifolia
- Lavandula angustifolia

Map Contents

- Pčelinjaci
- Medonosnophilje
- Medonosnepase
 - voćno-vrbova paša
 - bagremova paša
 - lipova paša
 - paša amorce
 - paša bluča
 - paša brdskih livada
 - paša gorskog javora
 - paša lipice
 - paša medljike na hrastu
 - paša medljike na jeli
 - paša mirisne metvice
 - paša nizinskih livada
 - paša planike i brstjena
 - paša primorske drage
 - paša ružmarina
 - paša sunčokreta-uljne repice
 - paša vriješka
 - paša zlatospike
 - sumajska paša
- Ceste
- Ceste
- AdministrativneGranice
 - naselje
 - opore
 - zugajnice
 - država

Results

lavanda (55)

Map Contents

Lavandula angustifolia Mill.
latinskolicme: Lavandula angustifolia
Poveznicica na FCD: <http://hrc.botanic.hr>
narodnoime1: lavendel, lavanda, t
mužni, levanda, špik
narodnoime2:

Search engine and pinpoint presentation of nectariferous flora

GOAL:

clear picture of beekeepers' number and beehives
base document for dialog with EC

Salvia officinalis L.

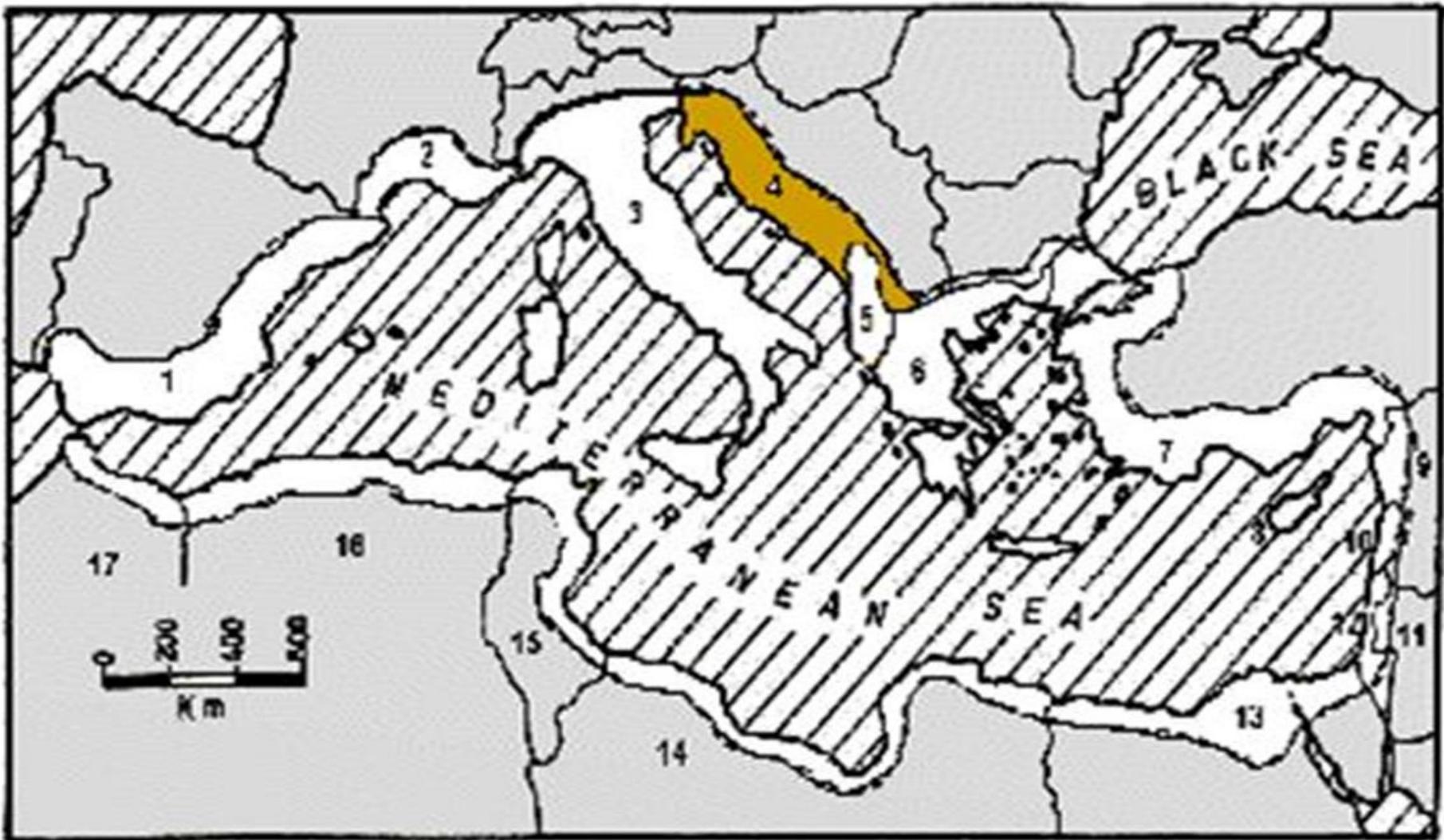
**Most important nectar source
in the Croatian littoral**



Wild perennial,
evergreen shrub,
characteristic
for the Eastern
Adriatic sub-
Mediterranean
rocky pastures
especially the
Croatian islands.
Likes a sunny
position given
the sensitivity to
wind and cold.



**All plant parts have
a strong, unique aromatic odor**



Mediterranean Melissopalynology

(Ricciardelli D'Albore G. and Galarini R. 2000),

Vegetation maps of Croatia

(Šugar I. et al. 1983)

FCD – Flora Croatica Database, 2004

Vascular plant taxonomy & Bibliography of Croatian Flora

The screenshot shows a web browser window with the title "Flora Croatica Database : 5805 - Avant Browser". The URL is "http://hrc.botanic.hr/fcd/DetailFrame.aspx?idviste=5805". The main content is the "Flora Croatica Database" (FCD) interface. At the top, there are language links ("Hrvatski", "English") and a banner for "Vascular Plants Taxonomy & Bibliography of Croatian Flora". The header includes the FCD logo, a search bar, and navigation links for "Flora Croatica Database", "Crvena knjiga", "Bibliografija", "Korisno bilje", "Alohtone bilje", "Galerija", and "Stanista". Below the header, there are links for "Pregled opečanja", "Pregled herbara", "Korisne poveznice", and "Prikaži praznu kartu". A sidebar on the right shows a user profile with "Prijava korisnika" and a timestamp "10.11.2010. 12:41:43". The main content area displays detailed information about "Lavandula angustifolia Mill.", including its Red List status (Red), family (Lamiaceae), and common name (Lavanda). It lists authors (Philip Miller) and provides a detailed description of the plant, mentioning its various names in different languages. Below this, there are sections for "Slikovna dokumentacija" (with images of lavender flowers and fields) and "Potraži podatke o ovoj svojti u drugim izvorima." Logos for partner databases like ePIC, GRIN, and USDA are shown at the bottom.

FCD – Flora Croatica Database, 2004

Vascular plant taxonomy & Bibliography of Croatian Flora

The image shows a dual-monitor setup displaying the Flora Croatica Database (FCD) interface. Both monitors are showing the same plant species, *Salvia officinalis* L.

Left Monitor (Primary View):

- Title Bar:** Flora Croatica Database : 9520 - Mozilla Firefox
- Address Bar:** http://hrc.botanic.hr/fcd/DetailsFrame.aspx?IdPicture=9520
- Content Area:** Shows a large image of purple salvia flowers and buds. A toolbar at the bottom left contains icons for zooming, navigating, and saving.
- Right Panel:** Navigator pane showing a thumbnail of the flower image with a blue selection box. Below it is a list of references (titles and authors) from the bibliography section.

Right Monitor (Secondary View):

- Title Bar:** FCD: Salvia officinalis L. - Flora Croatica Galerija
- Address Bar:** http://hrc.botanic.hr/fcd/Galerija/Slika.aspx?IdPicture=14474
- Content Area:** Shows a large image of purple salvia flowers and buds. A toolbar at the bottom right includes icons for zooming, saving, and printing.
- Right Panel:** Information panel for *Salvia officinalis* L., including author (M. B. Senn), date (11/6/2010 9:47:21 PM), location (Dalmacija, Croatia), and a note about the image being part of the "Flora Croatica Galerija".

A



B



C



D



E



F



Relatively higher representation of other plants

Identified total of **106 nectariferous, 35 non nectariferous**
plants, all sharing the flowering time and areal of distribution









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