

**1963:  
FRANCISCO FUENTES  
INSTALLS A PLASTIC  
SHEET ROOF OVER  
HIS PLOT TO MAKE A  
GREENHOUSE.  
THE RESULT?**

**213% MORE TOMATOES  
416% MORE PEPPERS  
382% MORE CUCUMBERS**

**HIS NEIGHBOURS  
FOLLOW SUIT.**





**EL EJIDO  
(MEANS COOPERATIVE)**





Image © 2006 MDA EarthSat

Pointer 41° 32'29.12"N 6° 51'38.37" E

Streaming ||||| 100%

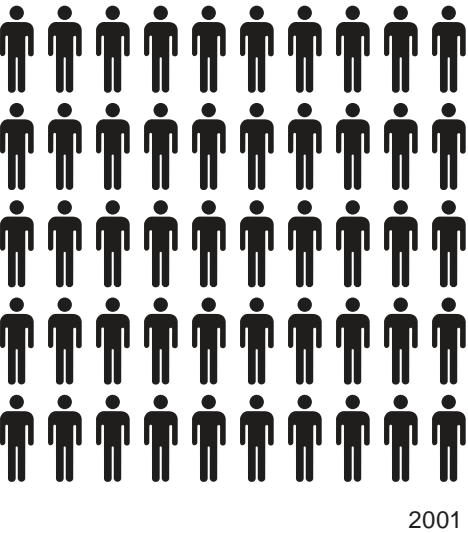
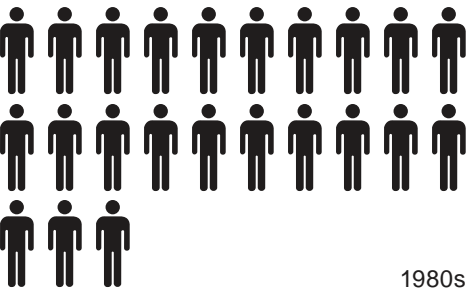
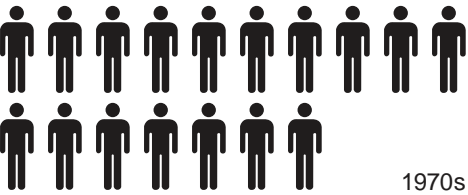
Eye alt 3265.91 mi



**EL EJIDO (MEANS COOPERATIVE)**



**ALMERÍAN POPULATION** (in 1000s)



**SPAIN HORTI-PRODUCTION**  
(in 100 000 of tons)



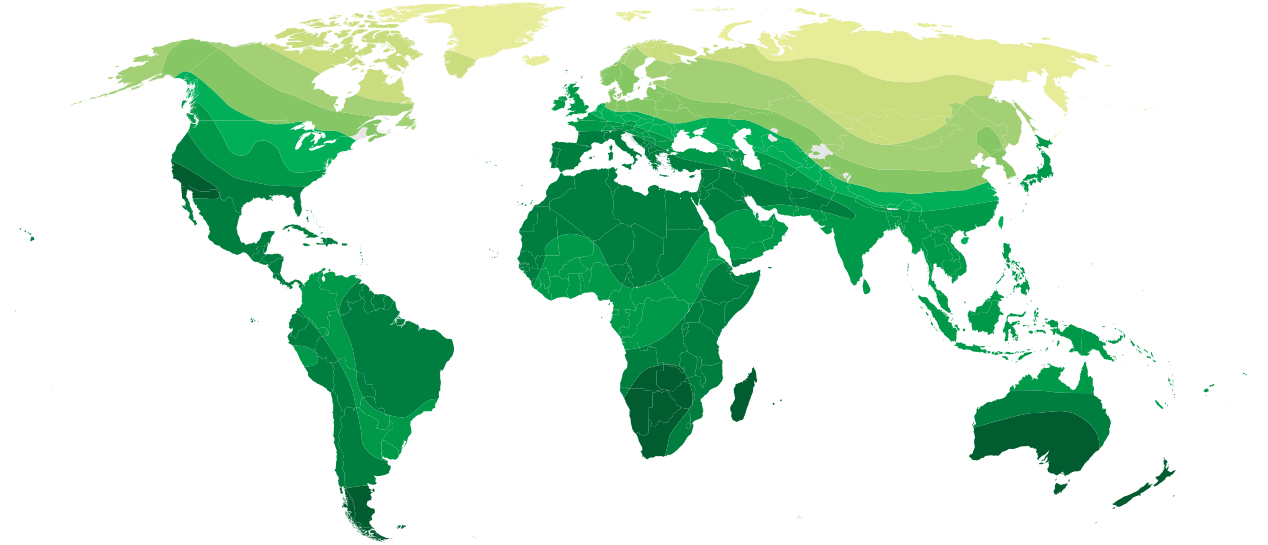
**GREENHOUSES**



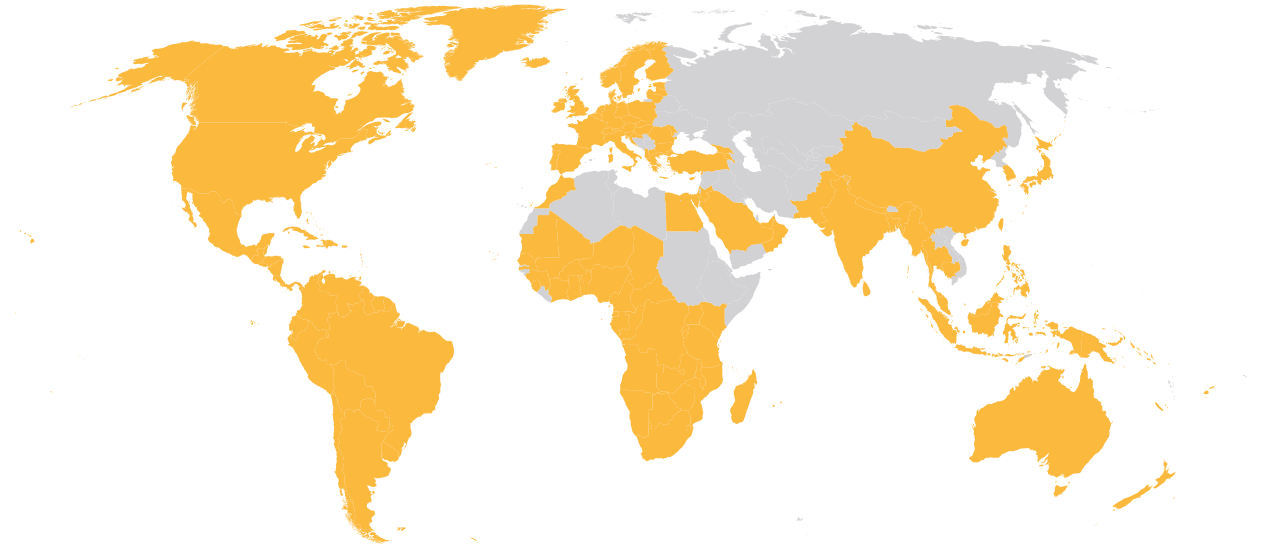


# EL EJIDO (MEANS COOPERATIVE)

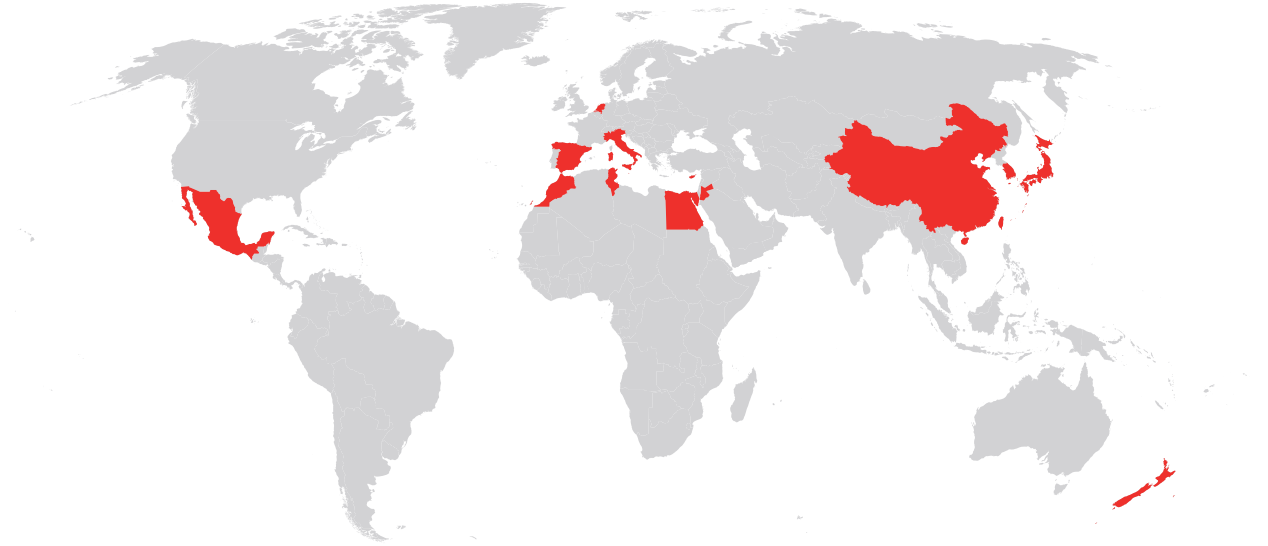
PHOTOSYNTHESIS WORLD



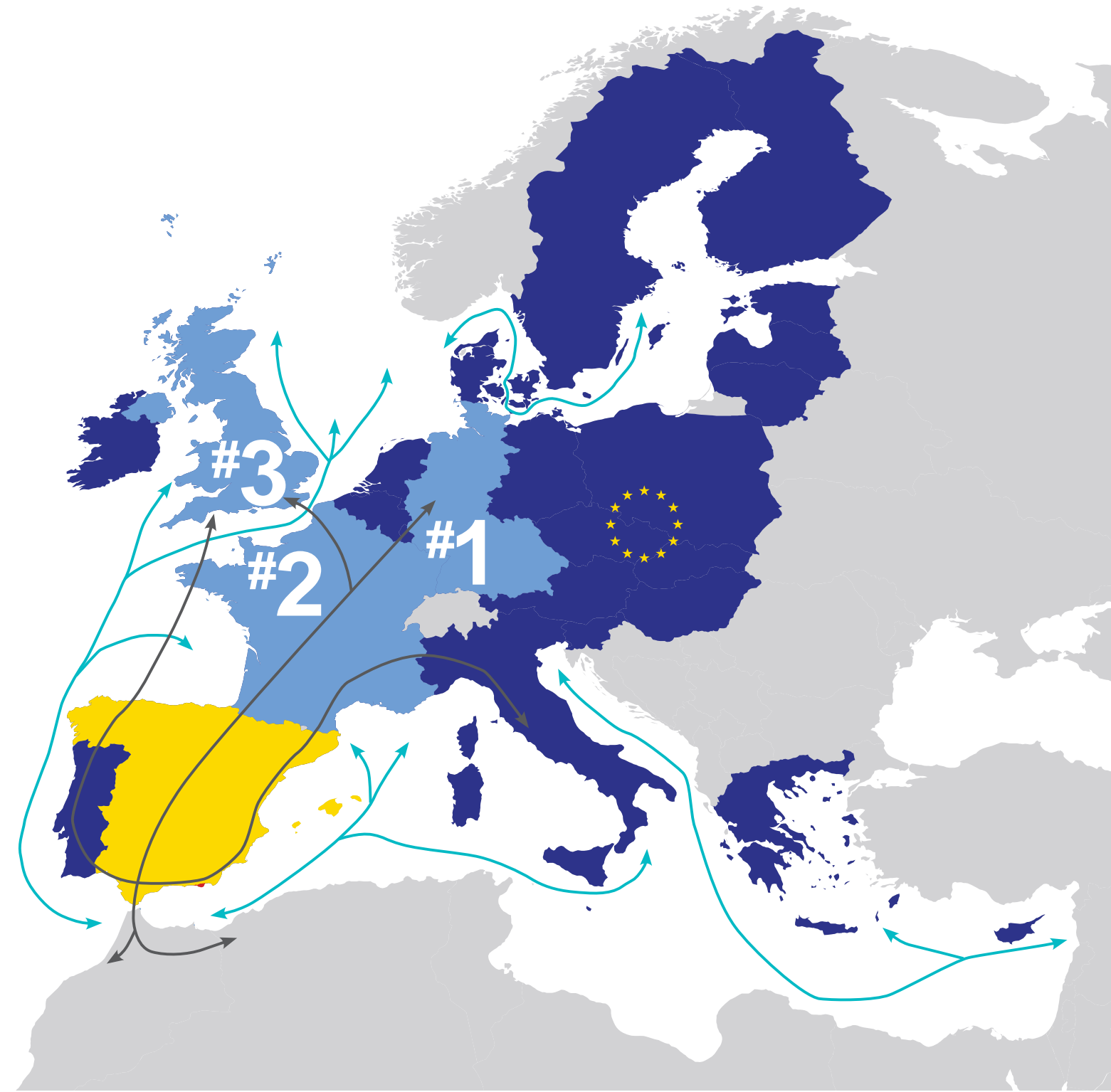
WTO WORLD



TOMATO WORLD (65000 km<sup>2</sup> total plasticulture, 2001)



TRADE PARTNERS / EUROPEAN UNION





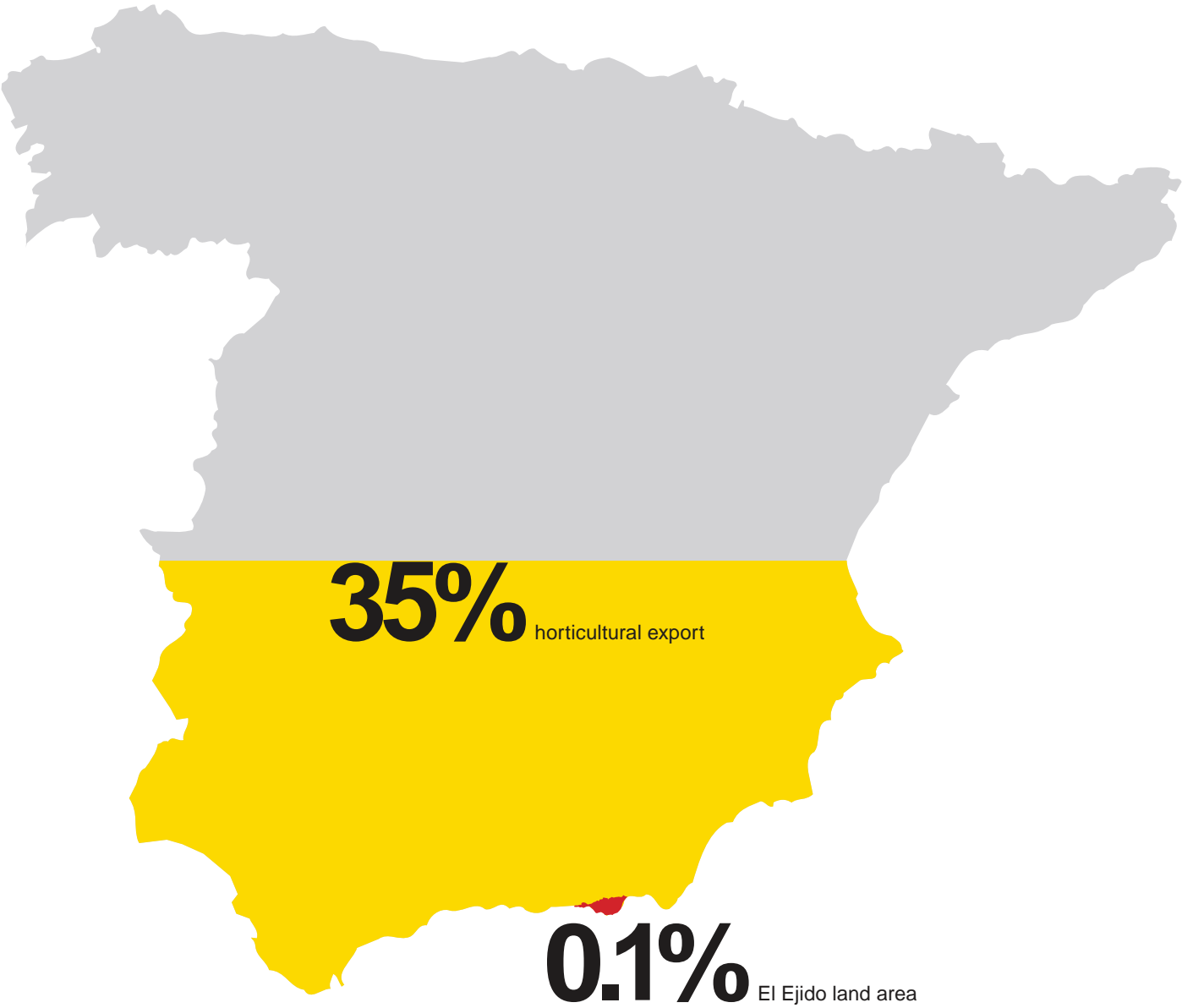
*EL EJIDO (MEANS COOPERATIVE)*

ALMERIA HAS BECOME  
THE UNOFFICIAL  
CAPITAL OF A HIGH-TECH  
AGRICULTURE EMPIRE  
THAT TRAVELS THE  
WORLD COLONIZING  
AREAS OF ABUNDANT  
SUNSHINE.

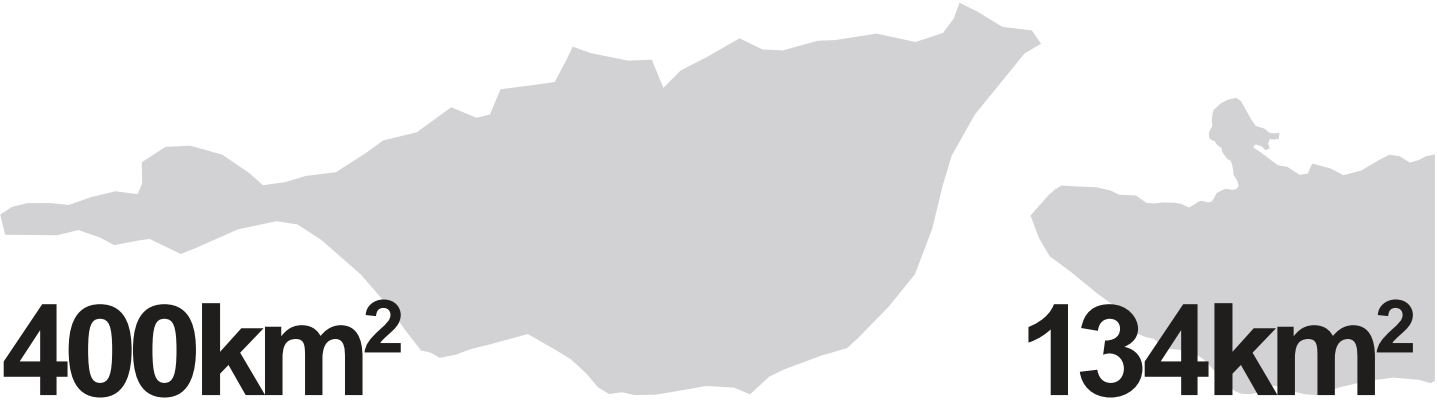


# EL EJIDO (MEANS COOPERATIVE)

RATIO OF EL EJIDO EXPORT VALUE TO LAND USE



COMPARATIVE AREAS: EL EJIDO VS VANCOUVER



HORTICULTURAL PRODUCTION



**470mil t** fruit  
**760mil t** vegetables

**9%** world total production  
**57mil t** fruit  
**55mil t** vegetables  
**15mil t** tomatoes

**2.2%** world total production  
**15mil t** fruit  
**12mil t** vegetables  
**4mil t** tomatoes

AGRICULTURE AS PERCENTAGE OF SPANISH GDP



**23%** in 1960  
**15%** in 1970  
**5%** in 1986  
**3.4%** in 2005

<http://countrystudies.us/spain/58.htm>  
<http://www.cia.gov/cia/publications/factbook/geos/sp.html>



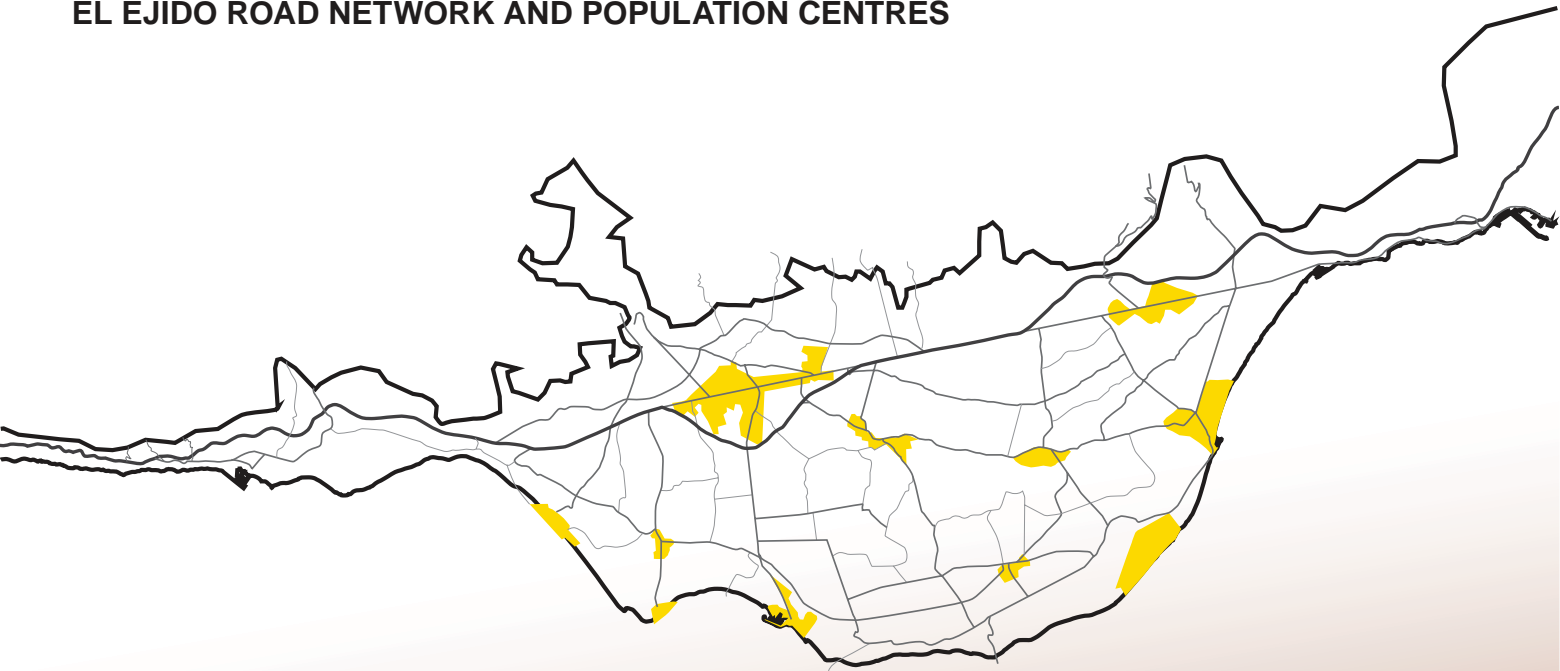
*EL EJIDO (MEANS COOPERATIVE)*

THE REGION PRODUCES  
35% OF SPAIN'S  
HORTICULTURAL EXPORT  
EARNINGS WITH 50%  
OF ITS PRODUCTION  
EXPORTED.  
IT HAS 27000 HECTARES  
OF PLASTIC HOUSES.

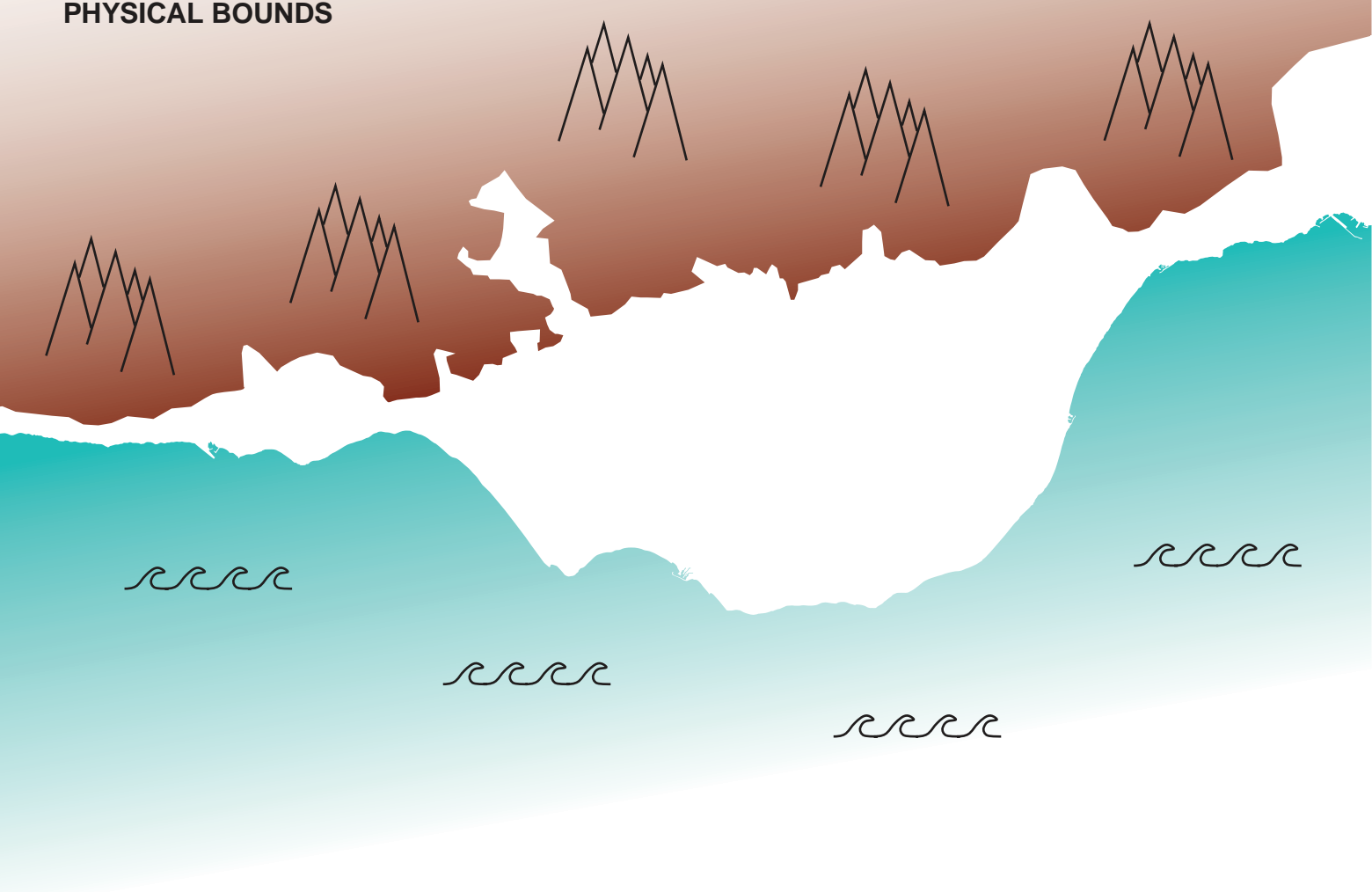


# EL EJIDO (MEANS COOPERATIVE)

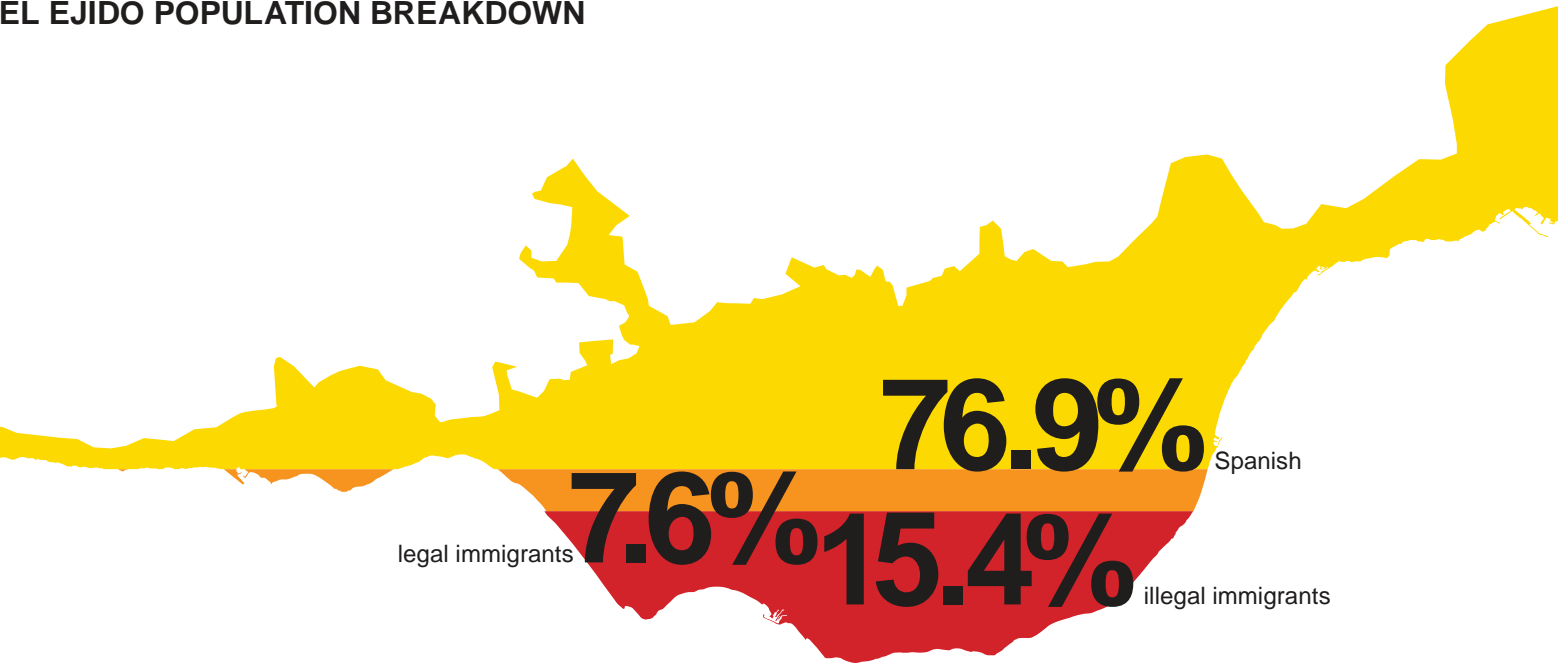
EL EJIDO ROAD NETWORK AND POPULATION CENTRES



PHYSICAL BOUNDS



EL EJIDO POPULATION BREAKDOWN



SPANISH NATIONAL TERRITORY



NORTH AFRICIAN OCCUPIED TERRITORY





# 1ha invernadero

## INGREDIENTS

**8x10<sup>6</sup> kW** solar radiation  
**0.6t** seedlings  
**3.3t** water  
**2.3t** fertilizers  
**0.2t** pesticides  
**0.3t** combustible energy  
**1.0t** plastic sheeting  
**2x10<sup>3</sup> h** manual labour



## YIELD

**65t** vegetables harvested  
**27t** waste vegetables  
**1.0t** plastic

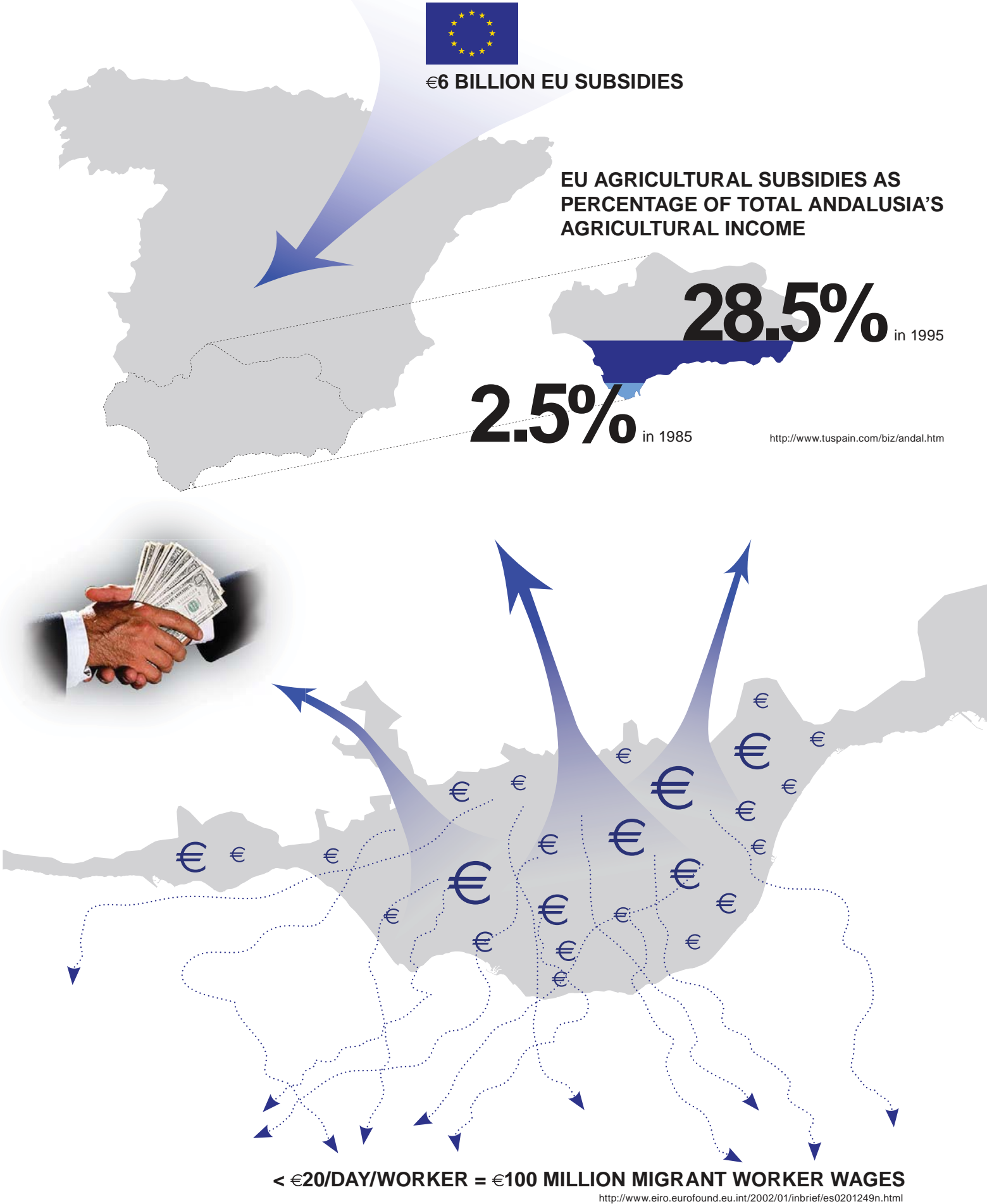


## SOIL PREPARATION

**100t/ha** x 3 years of dung  
**1.6t/ha** x 15 years of dung  
**2.6t/ha** x 15 years of dung

## LEACHED

**0.3t** water and fertilizers (nitrates)





# EL EJIDO (MEANS COOPERATIVE)



“The citizens of the plan are not the greenhouse workers, the human inhabitants of the agripole, but rather the tomatoes themselves. The workers’ housing, constructed from the same materials as the greenhouses, draws no law or regulation.”

— Keller Easterling, “El Ejido,” *Enduring Innocence*

8-15 c.

Iberian peninsula was characterized by a variety of independent kingdoms prior to the Muslim occupation that began in the early eighth century and lasted nearly seven centuries

<1492

amicable

1492-1500s

small Christian redoubts of the north began the reconquest almost immediately, culminating in the seizure of Granada; this event completed the unification of several kingdoms and is traditionally considered the forging of present-day Spain; Muslim Moriscos expelled; some North Africans are kept back and exploited for their agricultural knowledge

5-7 February 2000

mentally ill Moroccan stabs 26-year-old Spanish woman in El Ejido marketplace; mobs riot, terrorizing the Moroccan workers, burning their homes and smashing their cars; they are galvanized by white supremacy websites calling for action; 600 police are called in to police the area; 52 Moroccans seriously injured, 17 arrested; no Spanish citizens are detained

“As a 5000 strong mob orchestrated a pogrom on the streets of El Ejido, the battle cry became ‘Moors out!’: the same battle cry that previous generations of Spaniards had used to expel Muslims some 500 years earlier.”

— “El Ejido: A warning from history,” *Q-News* 353, January 2004

## MIGRANT WORKERS STRIKE

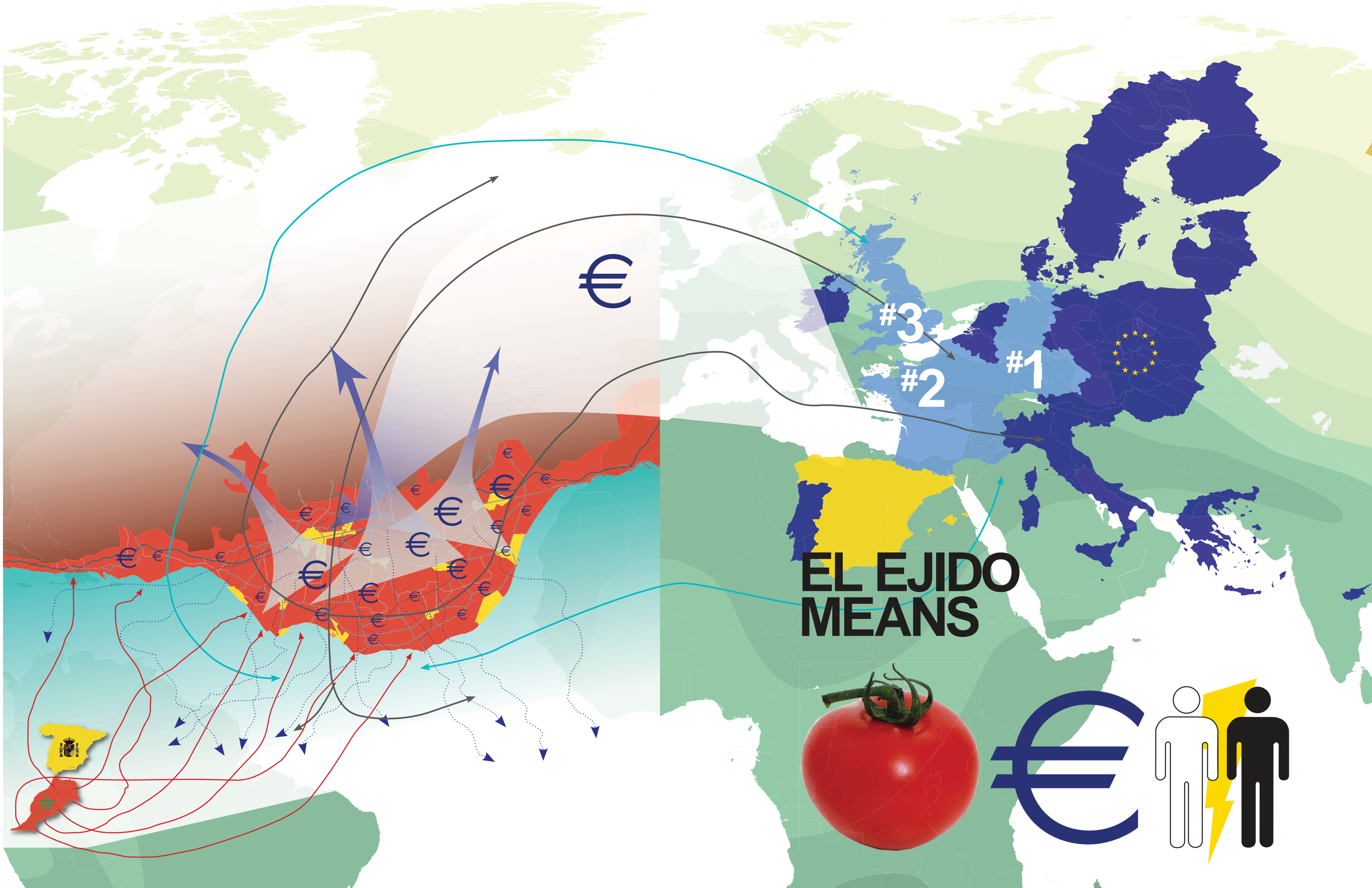
since most are not Spanish citizens, it is the only defense they have; strike projected to cost 2 billion ESP per day (€12 million per day) for Spanish farmers

12 February 2000

agreement signed with central and regional governments; municipal government washes its hands: new housing for workers who lost their homes, compensation for damage, and legalisation of workers without permits

present

conditions persist



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#3

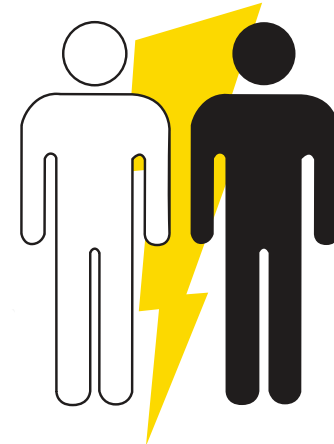
#2

#1

EL EJIDO  
MEANS



€





EL EJIDO (MEANS 🍅🇪🇺👤)

# INITIATE

ABUNDANT SUNSHINE  
+  
UNDERGROUND AQUIFER  
+  
PLASTIC SHEETING

# SUSTAIN

TRADE PROXIMITY  
+  
EU SUBSIDIES  
+  
CHEAP LABOUR



# ACCELERATE

COMPUTERS & TECHNOLOGY  
+  
SUPPLEMENTARY INDUSTRY:  
PLASTIC COMPANIES  
CHEMICALS AND PESTICIDES,  
TRANSPORT  
SEEDS

# EVOLVE

HYDROPONICS  
+  
DESALINATION  
+  
ROBOTICS

## ENERGY



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