

# DONATION AND TRANSPLANTATION IN THE EUROPEAN UNION: STEPPING FORWARD



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FUNDACIÓN  
**MUTUAMADRILEÑA**

2<sup>nd</sup> June, 2015  
AUDITORIUM  
MUTUA MADRILEÑA FOUNDATION

**FINAL  
RESULTS  
OF THE**

# **ACCORD PROJECT**

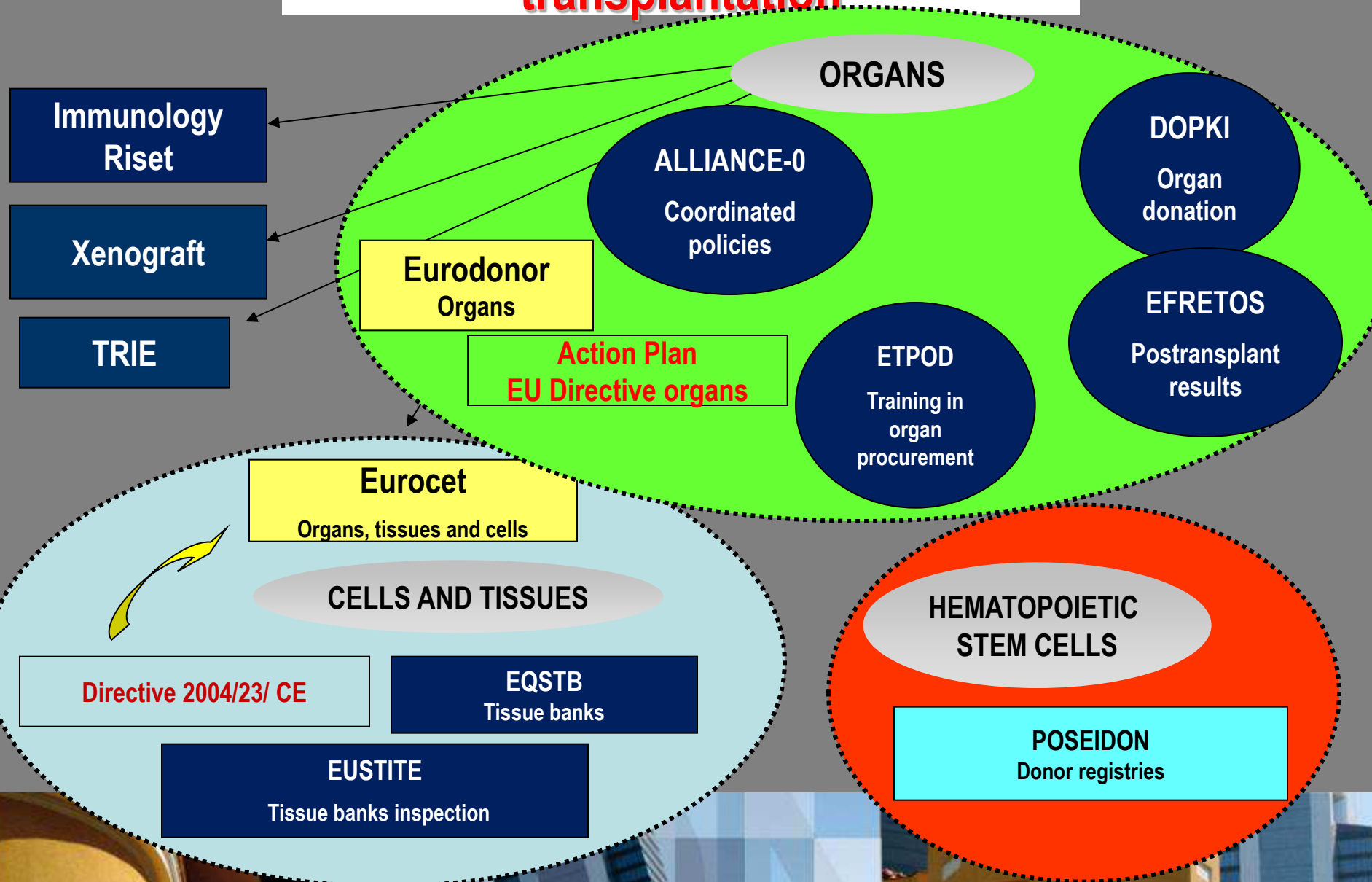
DIRECTOR  
**Rafael Matesanz,**  
on behalf of the ACCORD consortium



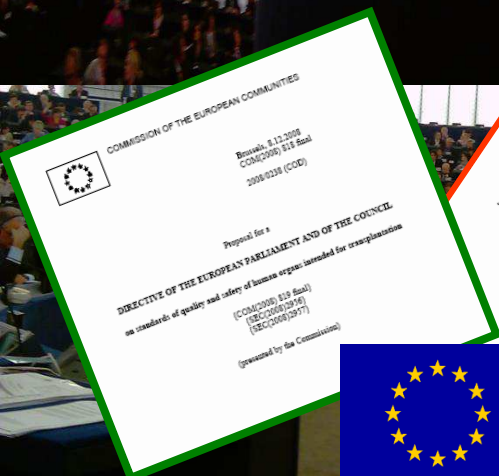




# European Projects in donation and transplantation







**MAY 19th 2010**  
**APPROVAL IN THE EUROPEAN PARLIAMENT OF STRASSBOURG**  
**WITH 96,4% OF VOTES**





# The Madrid Resolution on Organ Donation & Transplantation: National Responsibility in Meeting the Needs of Patients, Guided by the WHO Principles

The Third Global Consultation on Organ Donation and Transplantation was organized by the World Health Organization in collaboration with the Spanish National Transplant Organization (ONT) and The Transplantation Society, and supported by the European Commission. The consultation, held in Madrid from 23<sup>rd</sup> to 25<sup>th</sup> March 2010, brought together 140 government officials, representatives of international scientific and medical bodies, and ethicists from 68 countries.

Participants in the Madrid Consultation urged WHO, its Member States and professionals in the field, to regard organ donation and transplantation as part of each nation's responsibility for meeting the health needs of patients in a comprehensive manner, addressing conditions leading to transplantation from prevention to treatment.







**140 REPRESENTATIVES OF INTERNATIONAL SCIENTIFIC AND MEDICAL BODIES, GOVERNMENT OFFICIALS AND ETHICISTS**

## Organ Transplantation 1

### A call for government accountability to achieve national self-sufficiency in organ donation and transplantation

Francis L. Delmonico, Beatriz Dominguez-Gil, Rafael Matesanz, Luc Noel

**Roughly 100 000 patients worldwide undergo organ transplantation annually, but many other patients remain on waiting lists. Transplantation rates vary substantially across countries. Affluent patients in nations with long waiting lists do not always wait for donations from within their own countries. Commercially driven transplantation, however, does not always ensure proper medical care of recipients or donors, and might lengthen waiting times for resident patients or increase the illegal and unethical purchase of organs from living donors. Governments should systematically address the needs of their countries according to a legal framework. Medical strategies to prevent end-stage organ failure must also be implemented. In view of the Madrid Resolution, the Declaration of Istanbul, and the 63rd World Health Assembly Resolution, a new paradigm of national self-sufficiency is needed. Each country or region should strive to provide a sufficient number of organs from within its own population, guided by WHO ethics principles.**

**Introduction**  
 In 2010, 98 countries were reported by WHO as having organ transplantation services.<sup>1</sup> In virtually all these countries the questions constantly being posed are where and how enough organs for transplantation are going to be obtained. The epidemic of end-stage kidney disease programme must include the following components: a framework of national legislation with regulatory oversight policy; a programme of deceased donation integrated into the national health system, with resources that sustain the programme; ethical practice of live donation that ensures donor safety (but not without



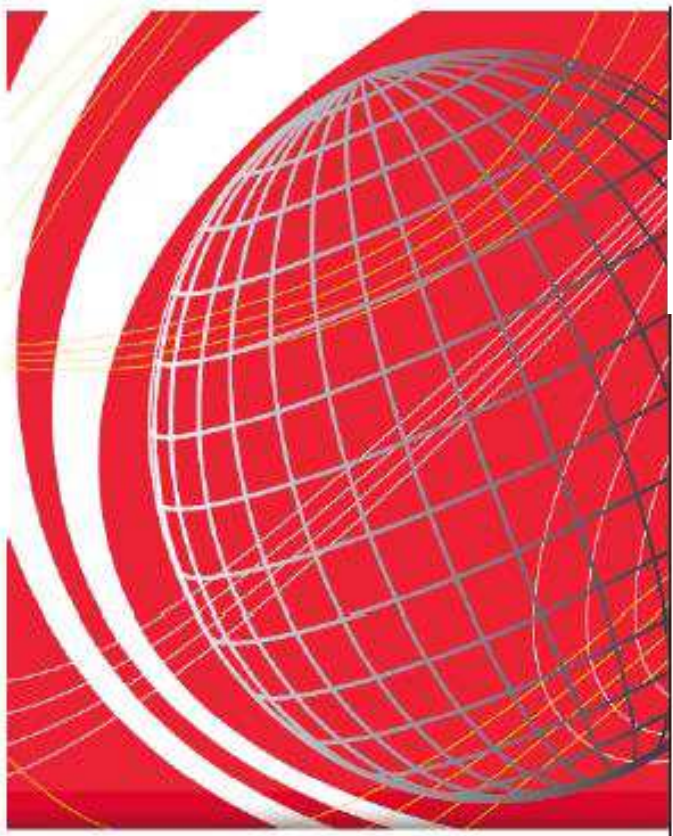
2010.es  


**The Madrid Conference  
 on Organ Donation and Transplantation**

Third WHO Global Consultation  
 on Organ Donation and Transplantation:  
 Striving to achieve Self-sufficiency



Madrid, March, 2010



# The Madrid Resolution on Organ Donation and Transplantation National Responsibility in Meeting the Needs of Patients, Guided by the WHO Principles

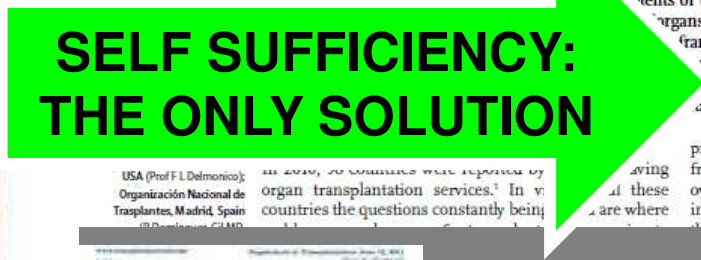
## Organ Transplantation 1

**A call for government accountability to achieve national self-sufficiency in organ donation and transplantation**

Francis L. Delmonico, Beatriz Dominguez-Gil, Rafael Matesanz, Luc Noel

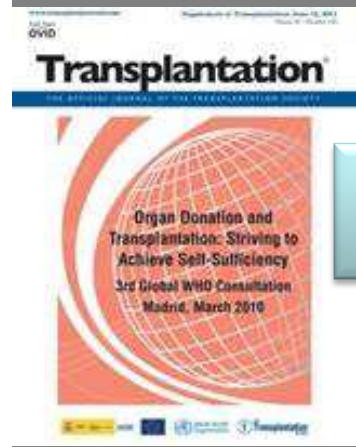
Lancet 2011; 378: 1414-18  
 See Editorial page 1356  
 See Comment page 1357

Roughly 100 000 patients worldwide undergo organ transplantation annually, but many other patients remain on waiting lists. Transplantation rates vary substantially across countries. Affluent patients in nations with long waiting lists do not always wait for donations from their own countries. Commercially driven transplantation, however, often involves organs from living donors. Governments should systematically regulate transplantation within a framework. Medical strategies to prevent end-stage organ disease, the Declaration of Istanbul, and the 63rd World Health Assembly resolution on self-sufficiency is needed. Each country or region should aim to meet the needs of its own population, guided by WHO ethics principles.



USA (Prof F L Delmonico); Organización Nacional de Trasplantes, Madrid, Spain (B Dominguez-Gil); ...

programme must include the following components: a framework of national legislation with regulatory oversight policy; a programme of deceased donation integrated into the national health system, with resources allocated to the programme; and a national waiting list programme must include the following components: a framework of national legislation with regulatory oversight policy; a programme of deceased donation integrated into the national health system, with resources allocated to the programme; and a national waiting list



**140 REPRESENTATIVES OF INTERNATIONAL SCIENTIFIC AND MEDICAL BODIES, GOVERNMENT OFFICIALS AND ETHICISTS**





SERVICIOS SOCIALES



## ASSOCIATED PARTNERS (23)



## COLLABORATING PARTNERS

### EOEO

- EUROTRANSPLANT, Leiden (NL)
- SCANDIATRANSPLANT, Aarhus (DK)

### Other collaborating partners

- European Hospital and Healthcare Federation (HOPE)
- European Society of Intensive Care Medicine (ESICM)
- European Transplant Coordinators Organisation-European Donation Committee (ETCO-EDC), a section of ESOT
- World Health Organisation (WHO)
- European Directorate for the Quality of Medicines and Healthcare – Council of Europe (EDQM)
- Organisation des Établissements de Soins de Santé (Belgium)
- Hospital Clínic de Barcelona



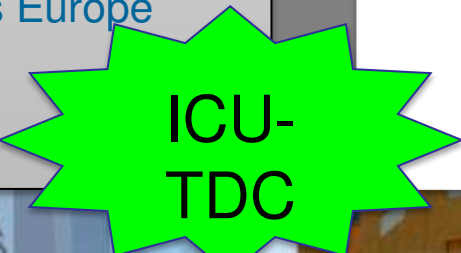


# JA consists of 3 subactions (Work Plan)

To support MS in setting up and running living donation programmes through the development of **guidelines** for LD registries / record systems; the development of **registries / record systems** for living donation; the development of **registries / record systems** for living donation



To support MS in reaching the full potential of deceased organ donation by strengthening the relationship between ICUs and hospitals and **ICUs and hospitals** for identifying the **potential organ donors**; and **Increasing** the number of available organs across Europe



To enhance the efficiency and accessibility of organ transplantation systems by the twinning of transplantation systems and peer reviews



**ACCORD: THE GREATEST E.U COLLABORATIVE PROGRAM IN THE FIELD OF TRANSPLANTATION**





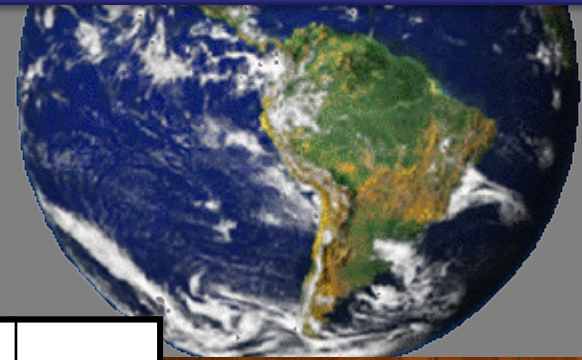


**WHAT HAS BEEN THE EVOLUTION OF ORGAN DONATION IN THE WORLD DURING THE LAST YEARS ?**



# TOTAL TRANSPLANTED ORGANS IN THE WORLD

<http://www.transplant-observatory.org>



Kidney Transplants	Liver Transplants	Heart Transplants	Lung Transplants	Pancreas Transplants	Small Bowel
76.002 (42.5 % LD)	23.140 (16.1 % LD)	5.708	4.221	2.490	207

2011

**TOTAL ESTIMATES:  
111768**

Kidney Transplants	Liver Transplants	Heart Transplants	Lung Transplants	Pancreas Transplants	Small Bowel
77.818 (42.3 % LD)	23.986 (18.2 % LD)	5.935	4.359	2.423	169

2012

**TOTAL ESTIMATES:  
114.690**

Kidney Transplants	Liver Transplants	Heart Transplants	Lung Transplants	Pancreas Transplants	Small Bowel
79.026 (42.0 % LD)	24.888 (18.0 % LD)	6.224	4.834	2.454	173

2013

**TOTAL ESTIMATES:  
117.599**

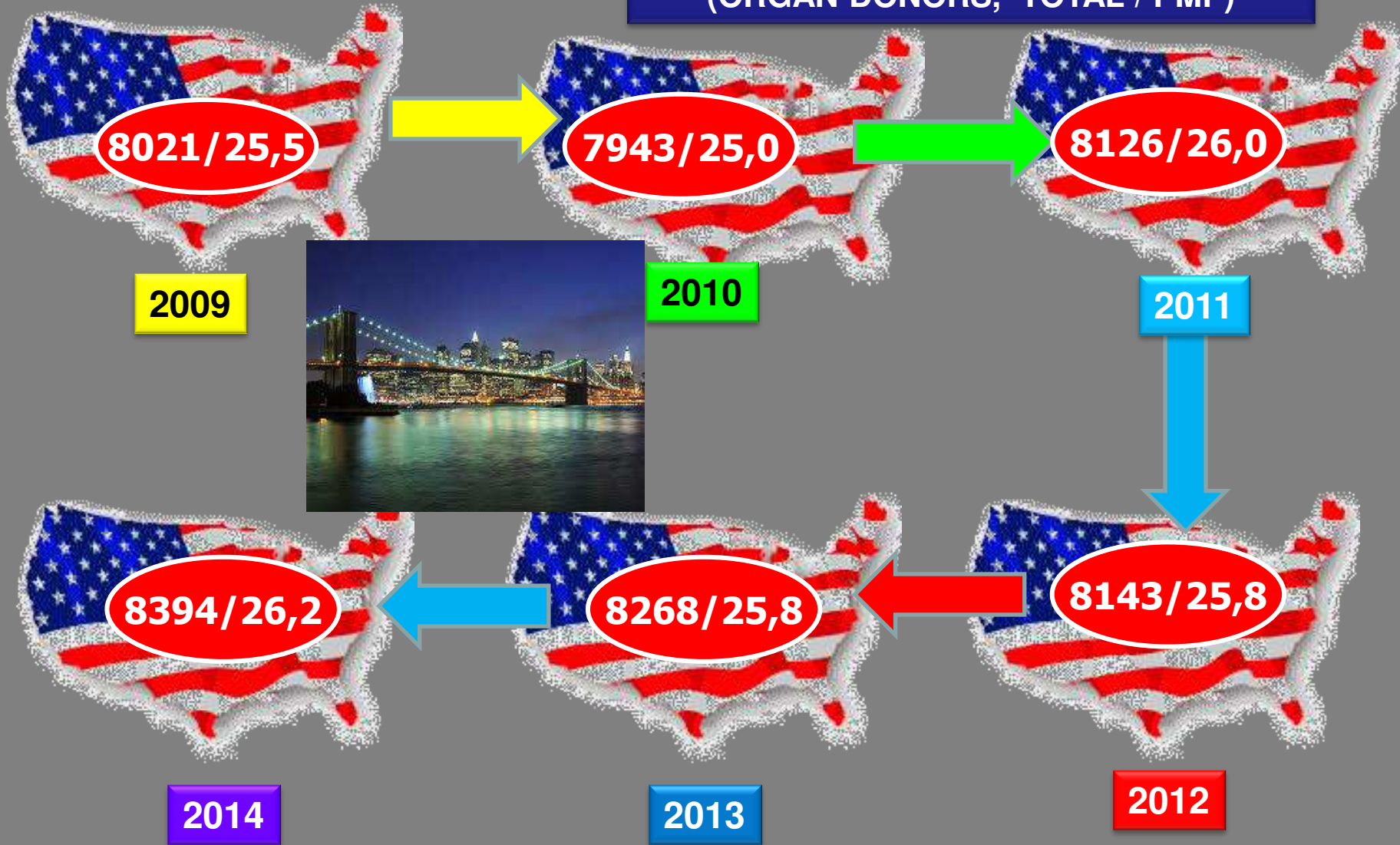
## SOURCE OF ORGANS

- **DBD** → 66%
- **LIVING** → 30%
- **DCD** → 4%





# ORGAN DONATION IN USA: PRACTICALLY STABLE (ORGAN DONORS, TOTAL / PMP)



# ORGAN DONATION IN CANADA: STABLE WITH LOCAL INCREASE (ONTARIO) (ORGAN DONORS, TOTAL / PMP)



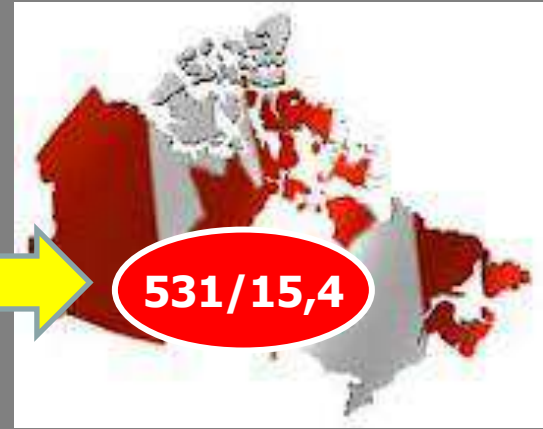
ONT



2009



2010



2011



2014



2013



2012



# Implementation of Canadian Donation Physicians

as of Feb 2015







16,5 pmp

**VERY SIMILAR PHILOSOPHY THAN  
ACCORD WP5**



**ONTARIO**

2013 17,5pmp ---→ 2014 20,7pmp

-  Donation Physicians (DP)
-  Medical Directors/Advisers of ODO's (MD-ODO)
-  Regional Medical Leads (RML)
-  Donation Physicians CEO of ODO's (CEO-ODO)

## Toronto Star

[Life / Health & Wellness](#)

### What Spain can teach us about the gift of life

Dr. Rafael Matesanz was in Toronto this week learning about Ontario's transplant system and sharing insights on how to improve it.





**SIGNIFICANT INCREASE OF ORGAN DONORS IN AUSTRALIA DURING THE LAST YEARS: (+53% IN 5 YEARS)--> MORE INVOLVEMENT ICU**





**A LONG TRADITION OF TWINNINGS WITH LATINAMERICA**



**IBEROAMERICAN COUNCIL OF ORGAN & TISSUE DONATION AND TRANSPLANTATION  
21 COUNTRIES  
SPAIN: PRESIDENCE & GENERAL SECRETARY**



**60 % ORGAN DONATION SINCE THE START OF THE PROGRAMME IN 2005**



Los representantes de los países miembros de la RCIDT en la explanada del Monumento a la Revolución en el Centro Histórico del DF.

**Matesanz: "América Latina, única región en el mundo con crecimiento en donación y trasplantes"**





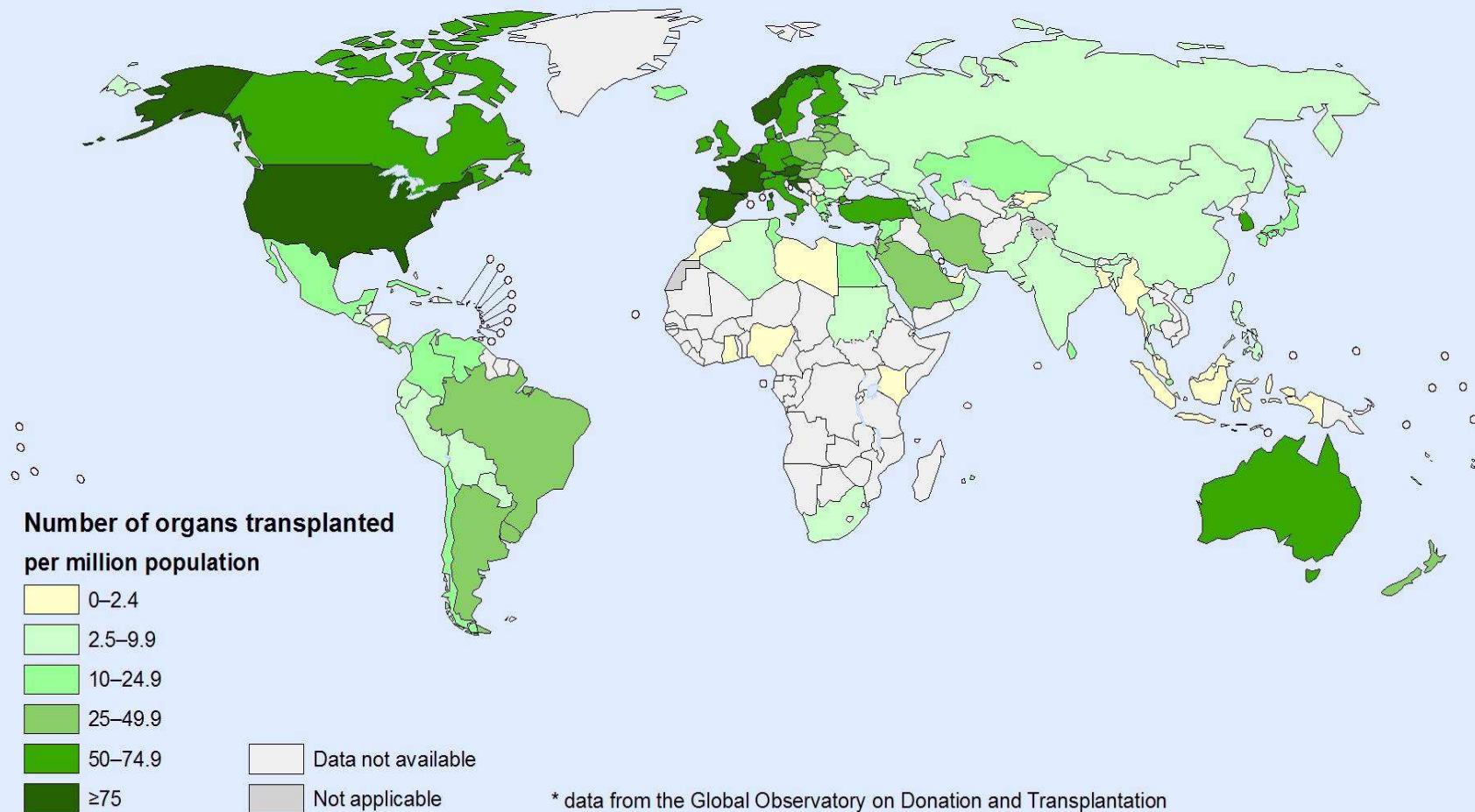
# Master Alianza 2005-2015



**MASTER ALIANZA:**  
**362** MEDICAL DOCTORS FROM  
 ALL THE COUNTRIES OF LATINAMERICA

**11 EDITIONS 2005-2015**





The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.





Data Source: Global Observatory on Donation & Transplantation. Map Production: Health Statistics and Information Systems (HSI), World Health Organization

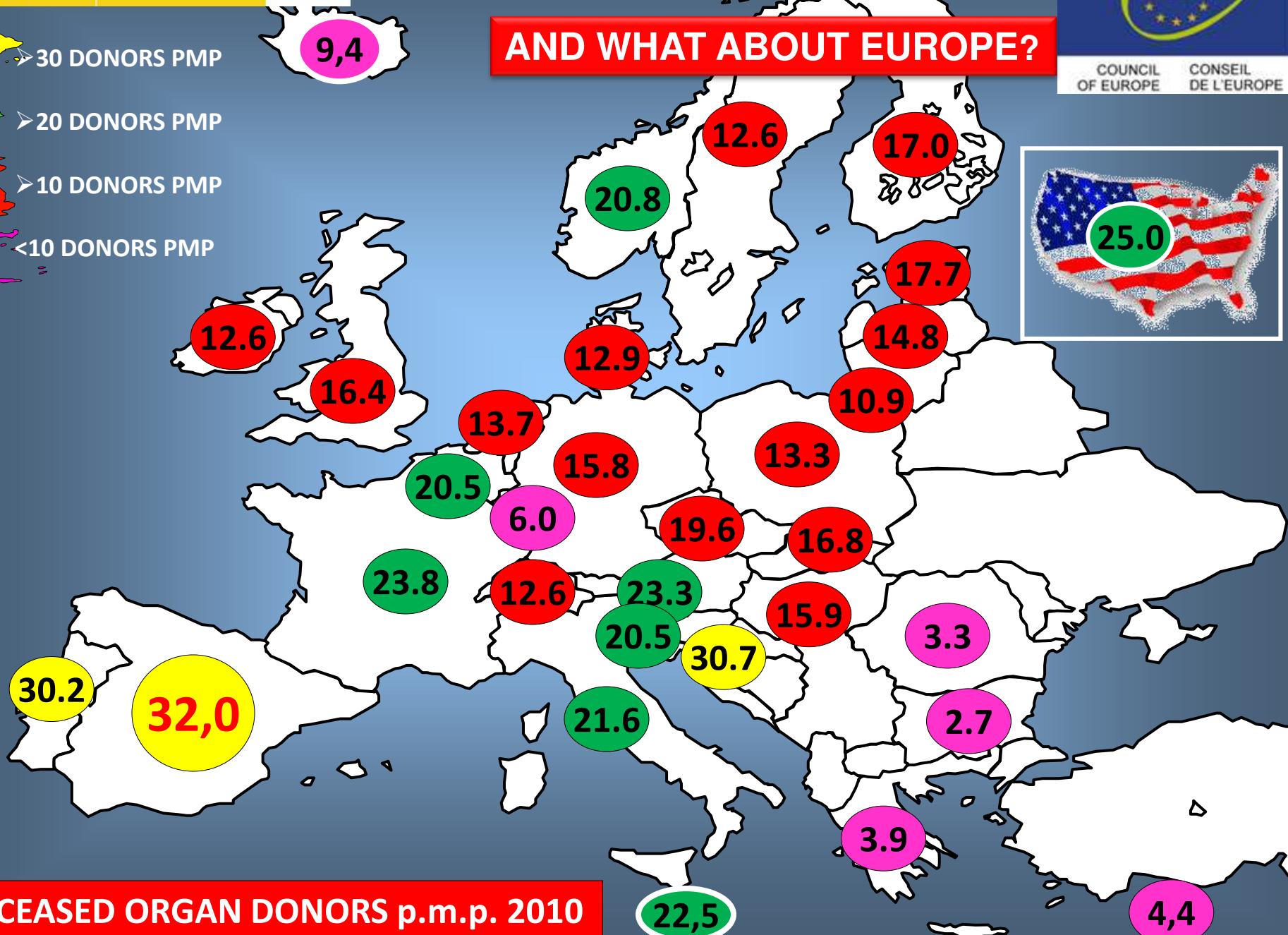


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# AND WHAT ABOUT EUROPE?

-  > 30 DONORS PMP
-  > 20 DONORS PMP
-  > 10 DONORS PMP
-  < 10 DONORS PMP



**DECEASED ORGAN DONORS p.m.p. 2010**



GOBIERNO DE ESPAÑA

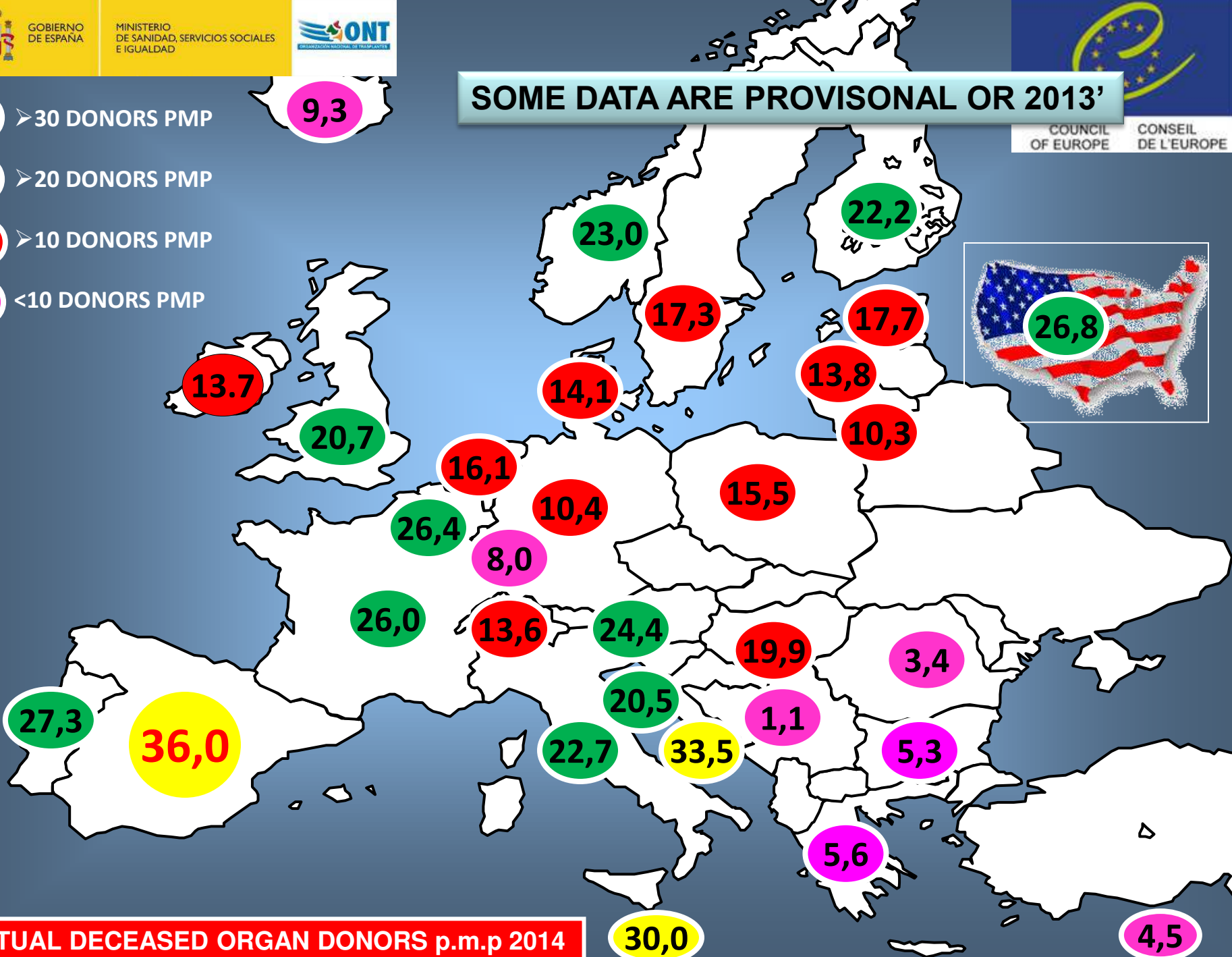
MINISTERIO DE SANIDAD, SERVICIOS SOCIALES E IGUALDAD



COUNCIL OF EUROPE / CONSEIL DE L'EUROPE

SOME DATA ARE PROVISIONAL OR 2013'

- >30 DONORS PMP
- >20 DONORS PMP
- >10 DONORS PMP
- <10 DONORS PMP

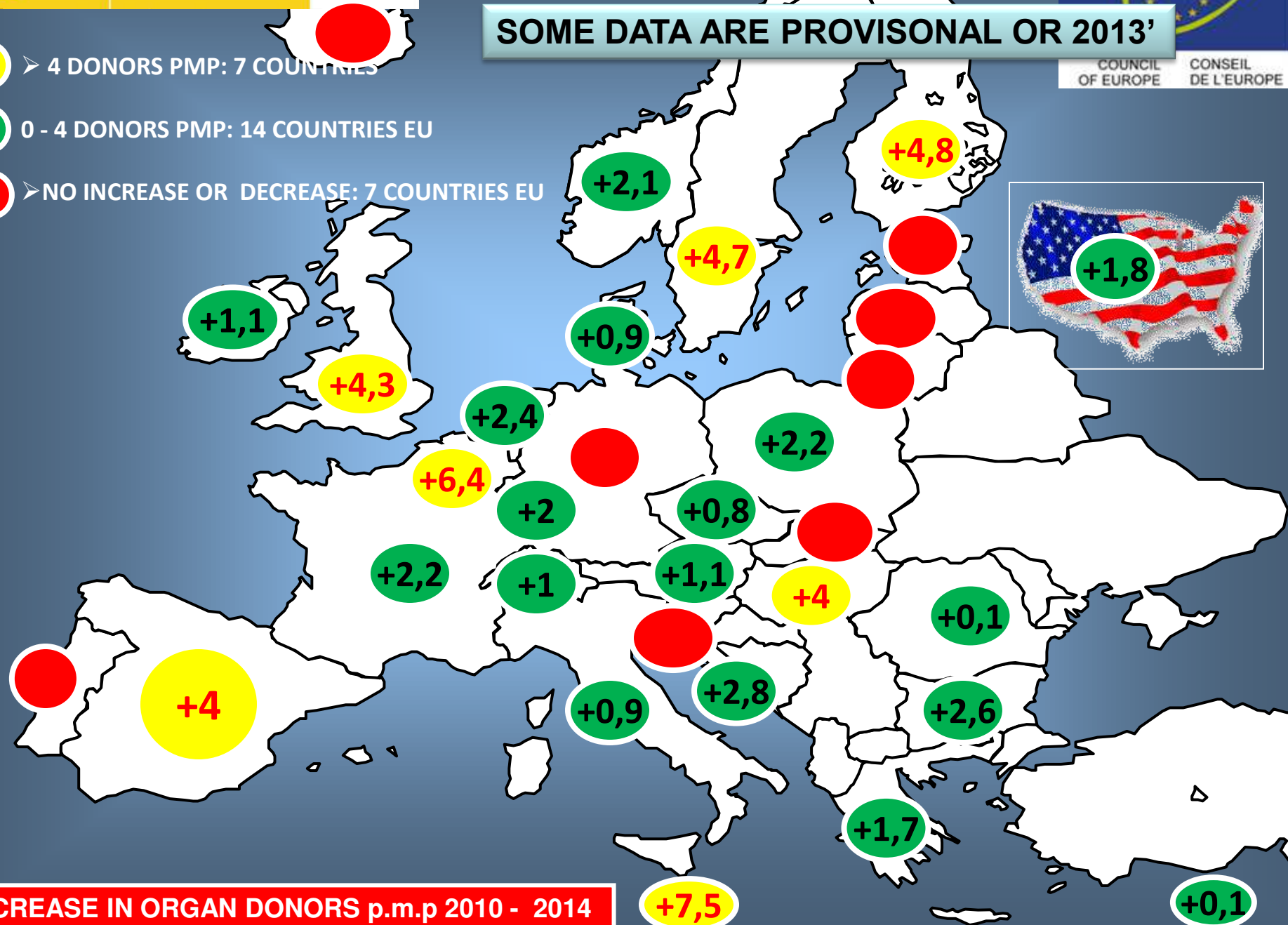


ACTUAL DECEASED ORGAN DONORS p.m.p 2014

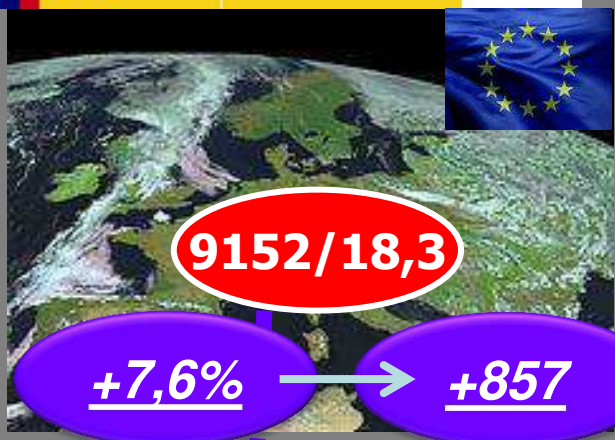


SOME DATA ARE PROVISIONAL OR 2013'

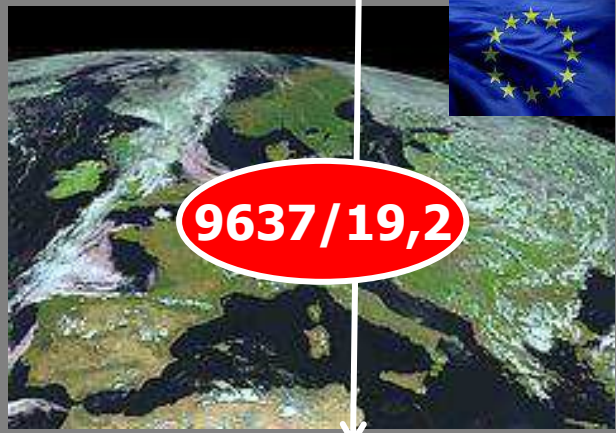
- +** > 4 DONORS PMP: 7 COUNTRIES
- +** 0 - 4 DONORS PMP: 14 COUNTRIES EU
- > NO INCREASE OR DECREASE: 7 COUNTRIES EU



INCREASE IN ORGAN DONORS p.m.p 2010 - 2014

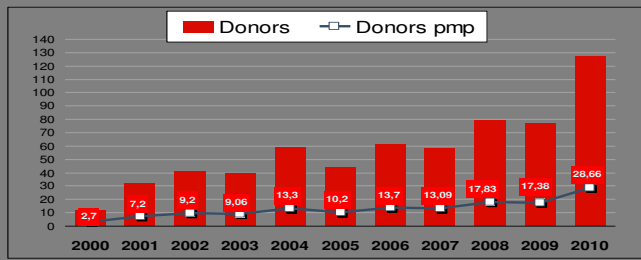
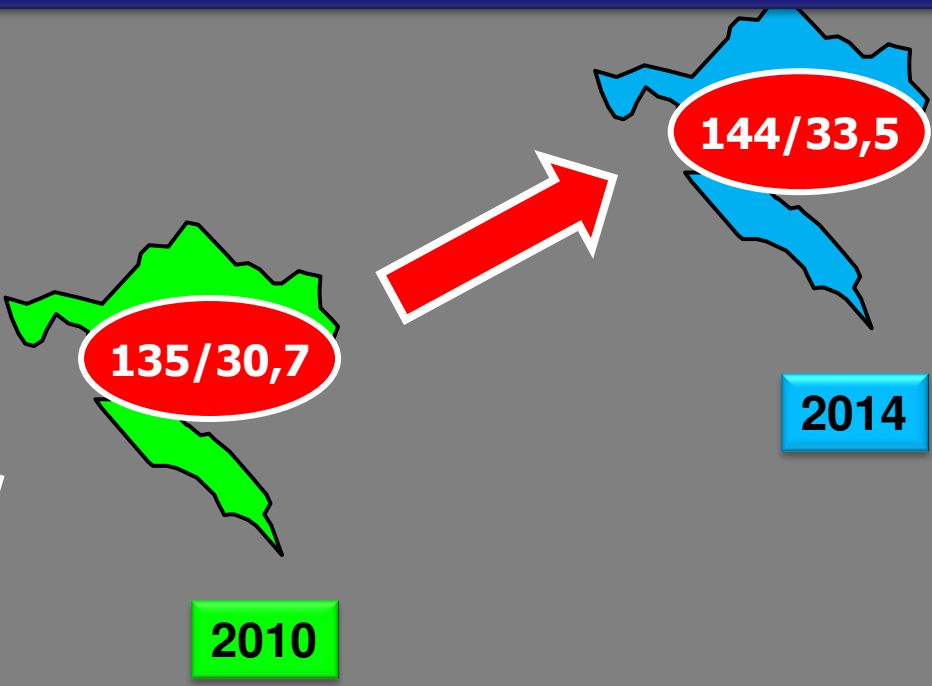


**SLOW BUT MAINTAINED INCREASE OF ORGAN DONATION**

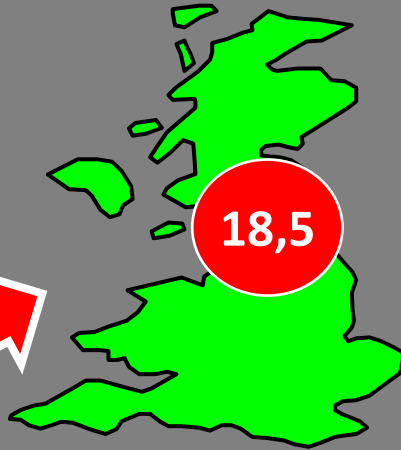
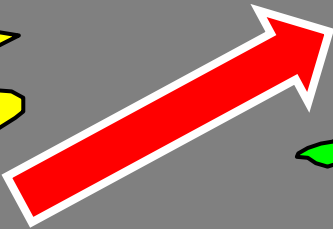
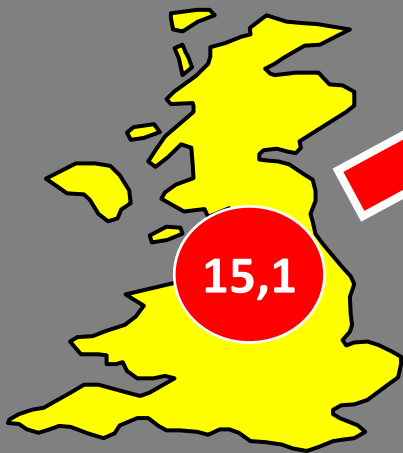




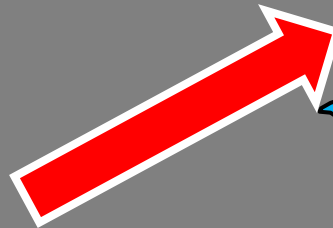
# CROATIA: A SMALL COUNTRY, 4,4 MILLIONS WITH AN IMPRESSIVE INCREASE OF ORGAN DONORS



# UNITED KINGDOM: IMPORTANT PROGRESSIVE INCREASE OF ORGAN DONORS (63 millions people)



2012



2014





# German "organ donor" scandal

**SERIOUS PROBLEMS IN GERMANY**

2010: 1296 ----> 2014: 852 (-444)



## Falsified Test Results: Organ Transplant Scandal Shocks Germany

Germany's healthcare system is highly respected around the world, but a growing scandal over organ transplant fraud has sparked a fierce debate over medical ethics in the country. A doctor is suspected of tampering with his patients' records to push them to the top of the transplant list.



Scandalo trapianti in Germania, al vaglio della polizia anche nomi di pazienti italiani

Organ transplant scandal erupts in Germany prompts calls for reforms

Mass donor organ fraud shakes Germany  
Criminal inquiry launched into transplant centres as junior doctors are accused of 'jumping' waiting lists

## Organ Donations Fall in Germany After Scandal



ALLEMAGNE - Anus puzur le... 2012 & 2013 - Berlin... 10.001.2012 & 2013

Allemagne : scandale autour des dons d'organes

Fewer Germans donating organs for transplants after claims doctors rigged waiting lists

РУССКАЯ СЛУЖБА  
Германия потрясена скандалом донорскими органами

LE FIGARO.fr  
Allemagne: scandale de dons d'organes

Schandaal rond orgaandonatie schokt Duitsland

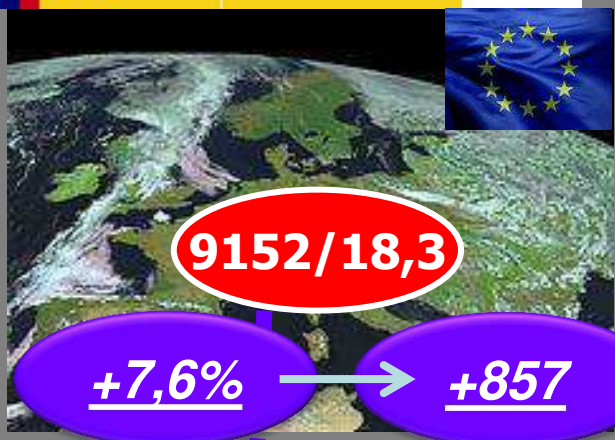
## THE LANCET

### Crisis in Germany's organ transplantation system

Organ donation is an integral part of the medical profession and the existence of a fair, ethical system for organ allocation... down, the consequences can be far-reaching as Germany

The Telegraph  
NHS transplantation 'safe from German-style scandal'  
Organ transplantation on the NHS is safe from the kind of scandal currently rocking Germany, one of Britain's top transplant surgeons has said.

The Delta World  
Scandal in Germany by the manipulation of waiting lists in organ transplants



**SLOW BUT MAINTAINED INCREASE OF ORGAN DONATION**

