

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## **EU Optimal Blood Use Project**

**Professor Ian Franklin**

**Project lead**

National Haemovigilance Office

NHO Annual Meeting, November 11th 2011



Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

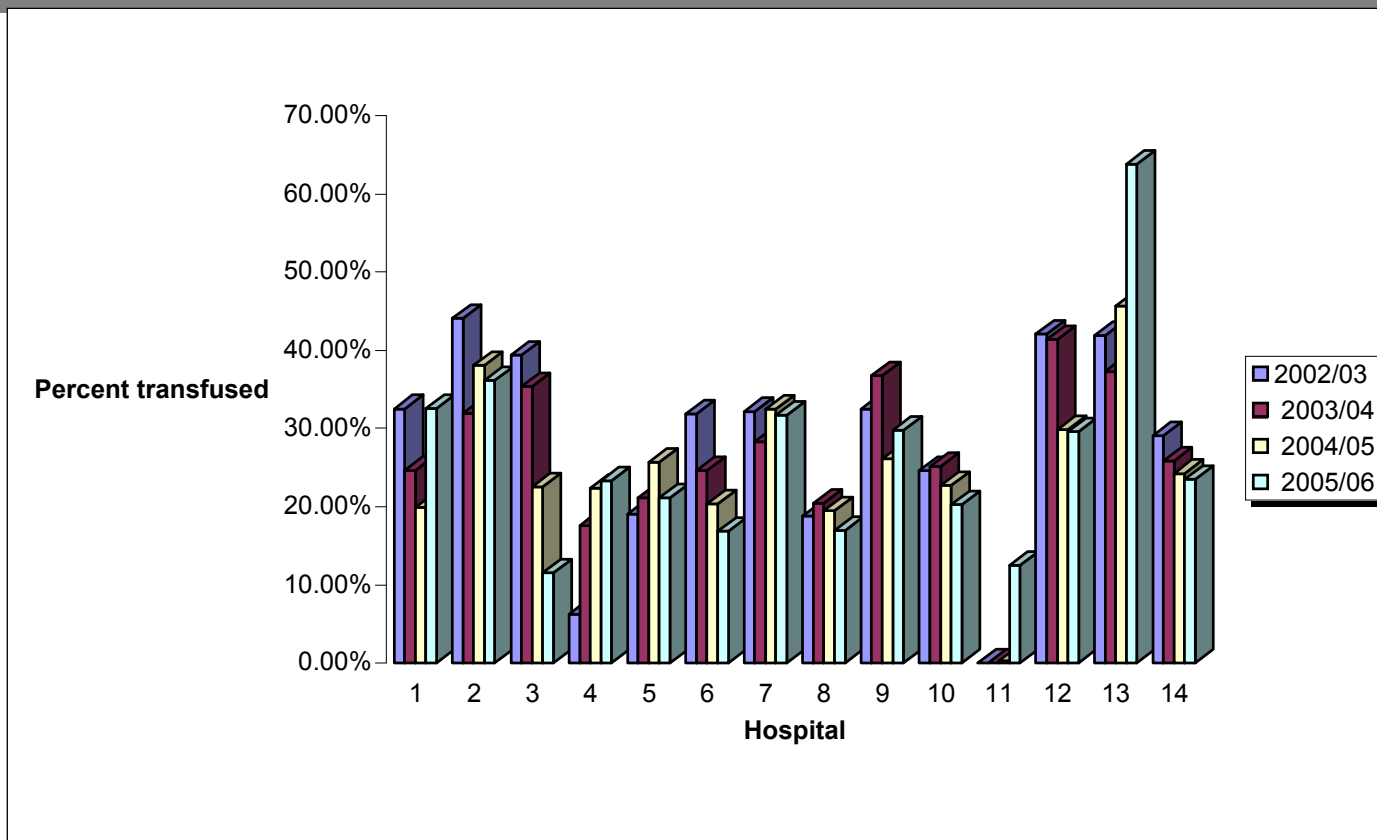
**Why was it important to have an  
EU optimal blood use project?**

Promoting & sharing best practice across the EU

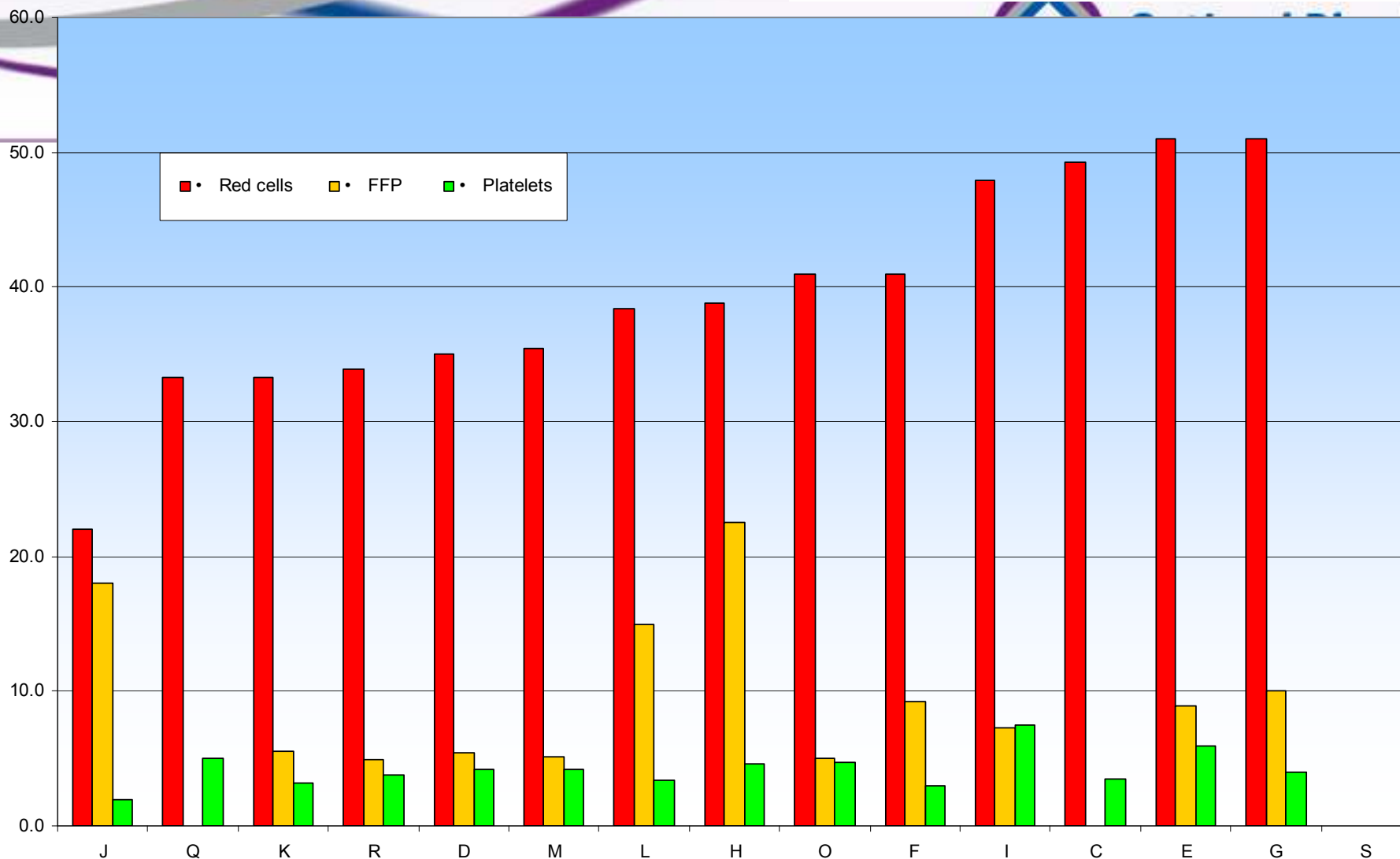


**Optimal Blood Use Project**

## Primary total hip replacement; percentage transfused



# Clinical utilisation rates per 1.000 inhabitants



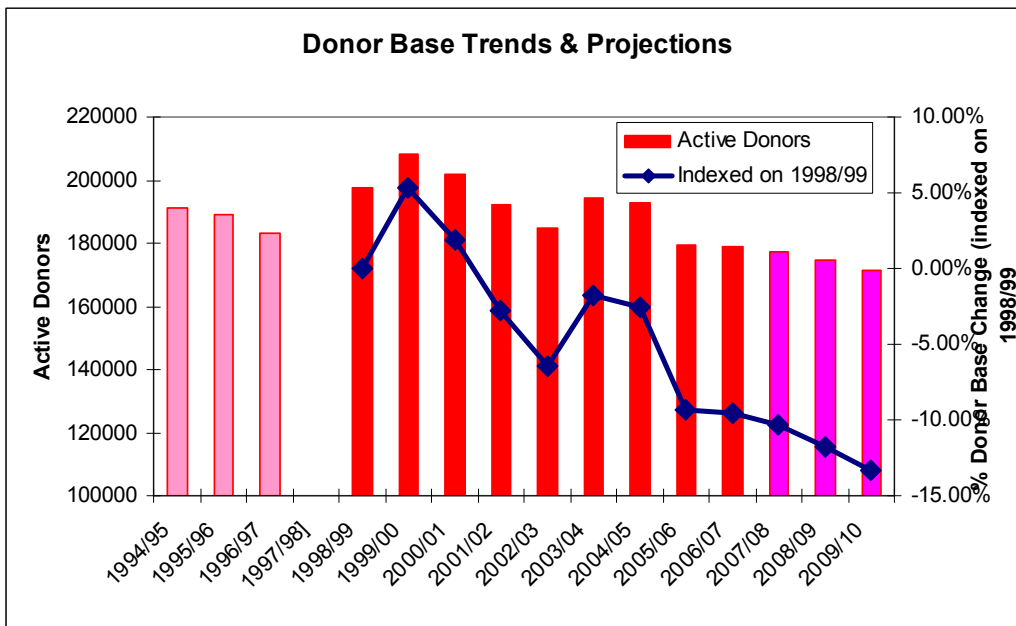


Promoting & sharing best practice across the EU



Optimal Blood Use Project

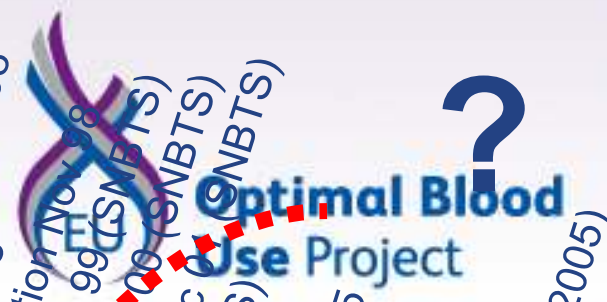
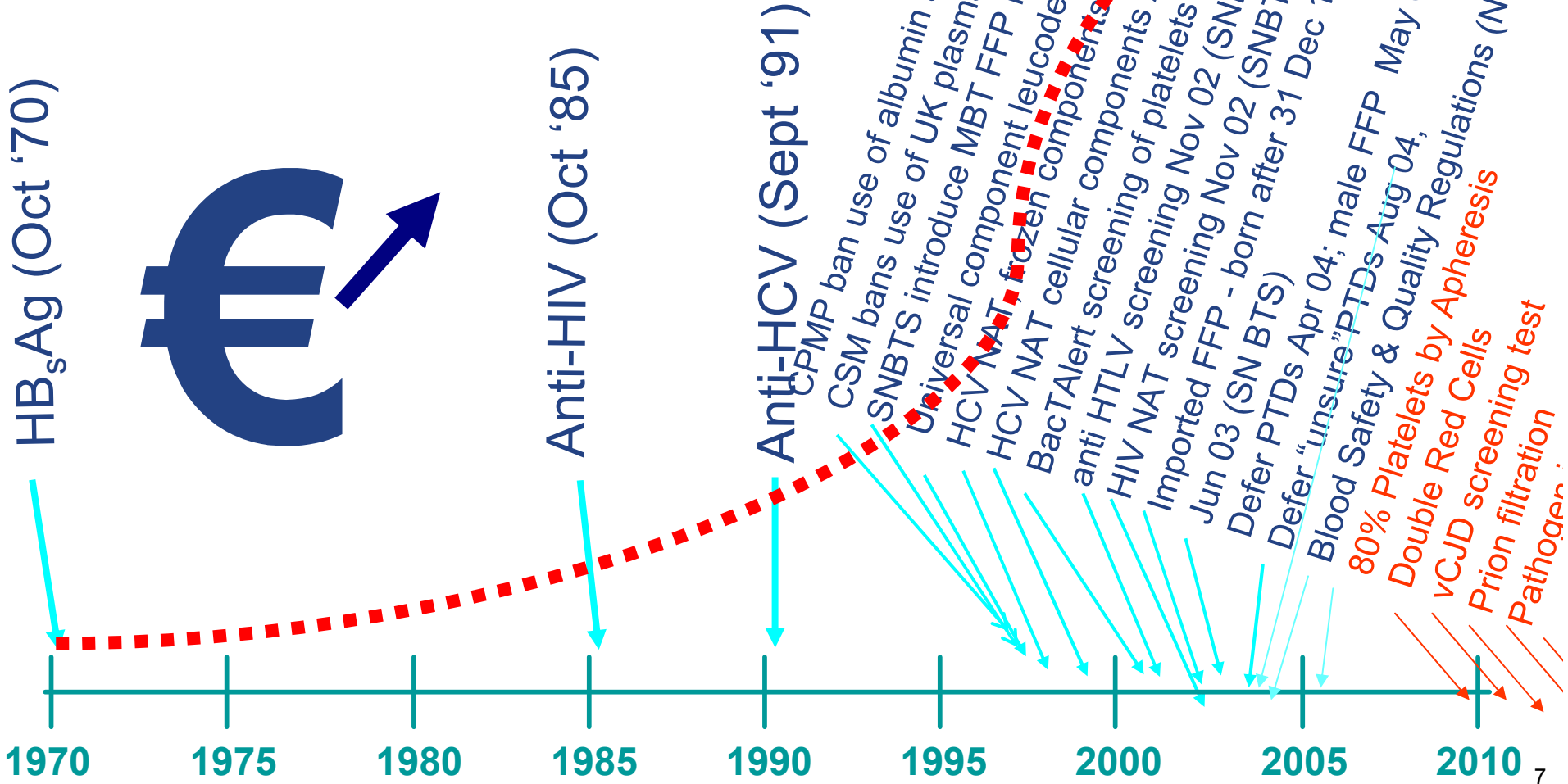
## Donor Base Shortfall



- **Number of people donating in past year down by 12,000 ⇔ 6.6%;**
  - declined 7.2% since 2004/05
  - Lifestyle, vCJD and BSQR Haemoglobin rules
- **If a new measure such as vCJD testing happens then donors may fall to a lower level**

Promoting & sharing best practice across the EU

# Escalating Costs



Optimal Blood Use Project

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## **The Project is also important because of ...**

- adverse effects of inappropriate transfusion [TRICC, Canada]
- Expansion of the EU
- The EU directive on blood

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## **Presentation Overview**

- About the Project
- Project Outputs
- Work programme
- Website & Contact Details

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## About the Project

- Co funded by EU Public Health Programme and the Scottish National Blood Transfusion Service [SNBTS]
- Project Managed by SNBTS team
- European Blood Alliance support
- 16 EU member states
- Commenced May 2007 – June 2010

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## Project participants

- Austria
- Czech Republic
- Denmark
- Estonia
- France
- Germany
- Greece
- Hungary
- Italy
- Malta
- Netherlands
- Poland
- Portugal
- Romania
- Slovenia
- United Kingdom

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

EU Optimal Blood Use Project Participants, Lake Bled,  
Slovenia, February 2008



Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## About the Project - Purpose

To encourage the **optimal use of blood** components across Europe through sharing of information and best practice for the benefit of patients. Focuses on:

- Improving patient safety
- Providing resources to improve the quality and safety of the **therapeutic transfusion process**

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## About the Project - Purpose

The **therapeutic transfusion process** is defined as:

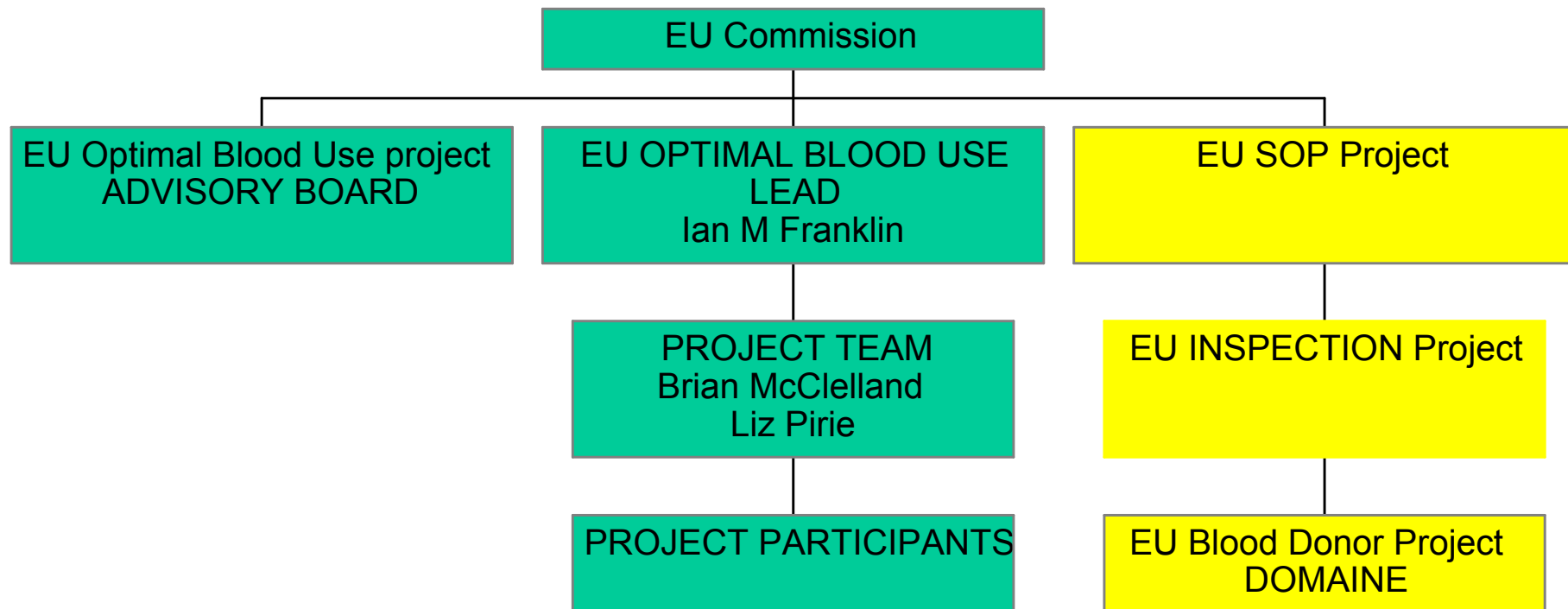
- Transfusion of the right unit of blood to the right patient at the right time, and in the right condition
- Given according to appropriate guidelines and sound clinical indications
- Excludes [most] blood establishment activities

Promoting & sharing best practice across the EU



**Optimal Blood Use Project**

## Project organisation & relations



Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## **Project Participants - Responsibilities**

- Agree ways of working
  - Communication
  - sharing work
  - trouble shooting
- Agree and sign off
  - Scope of work to be undertake
  - Deadline
- **Development of a Transfusion Practice Manual & its content**
- Progress Reporting

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## Project Output - The Published Manual

**EU Manual of Optimal Use  
of Blood Components**

- Who is the manual for?
- Transfusion Committees
  - Managers and clinicians working together
- Others who may find it useful
- Not a text book
- More a road map to safe & effective practice of blood transfusion

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## Developing the Manual

**Workgroup 1** - Safe Administration of Blood Component  
Information for Users

**Workgroup 2** - evaluating the clinical use of blood in  
specific clinical situations

**Workgroup 3** - Developing and delivering a training  
programme

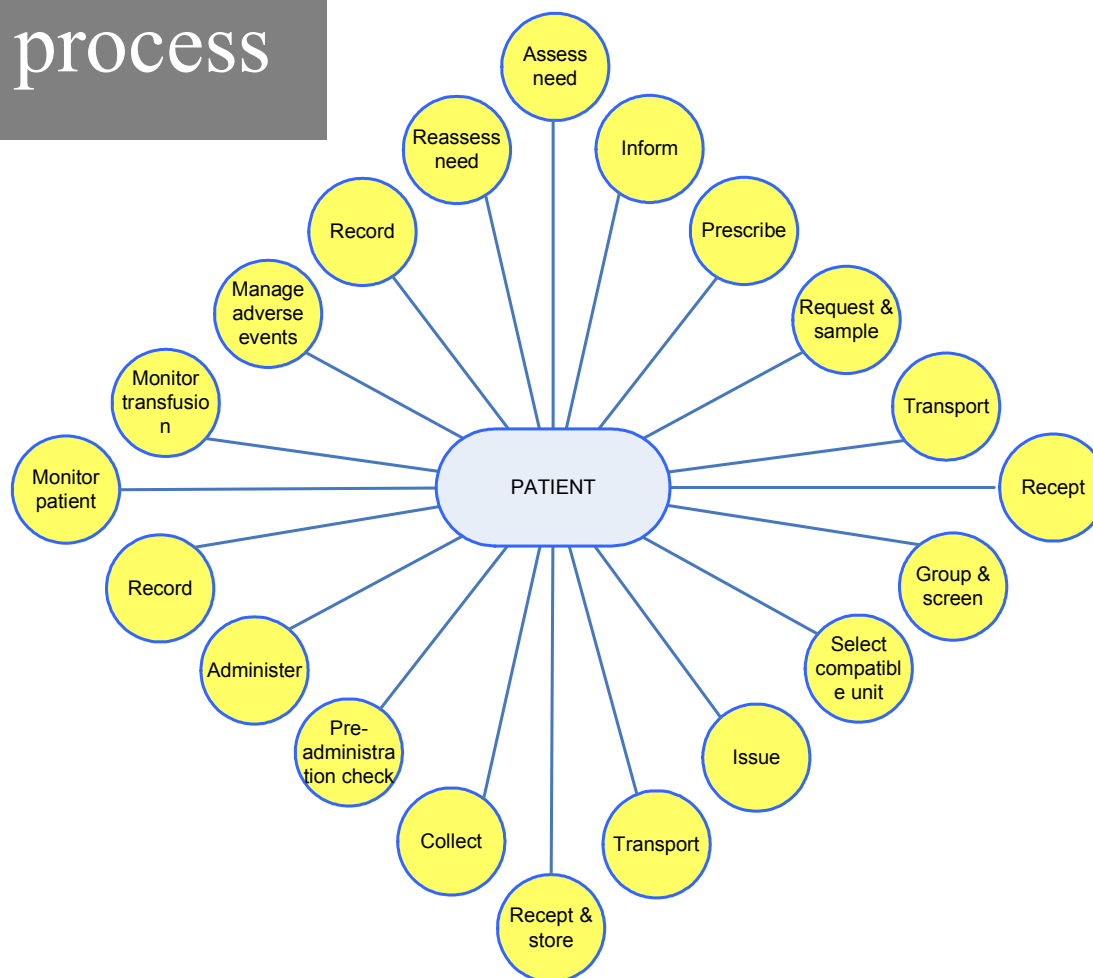
**Workgroup 4** - Project references and resources

Promoting & sharing best practice across the EU



Optimal Blood Use Project

## Clinical transfusion process

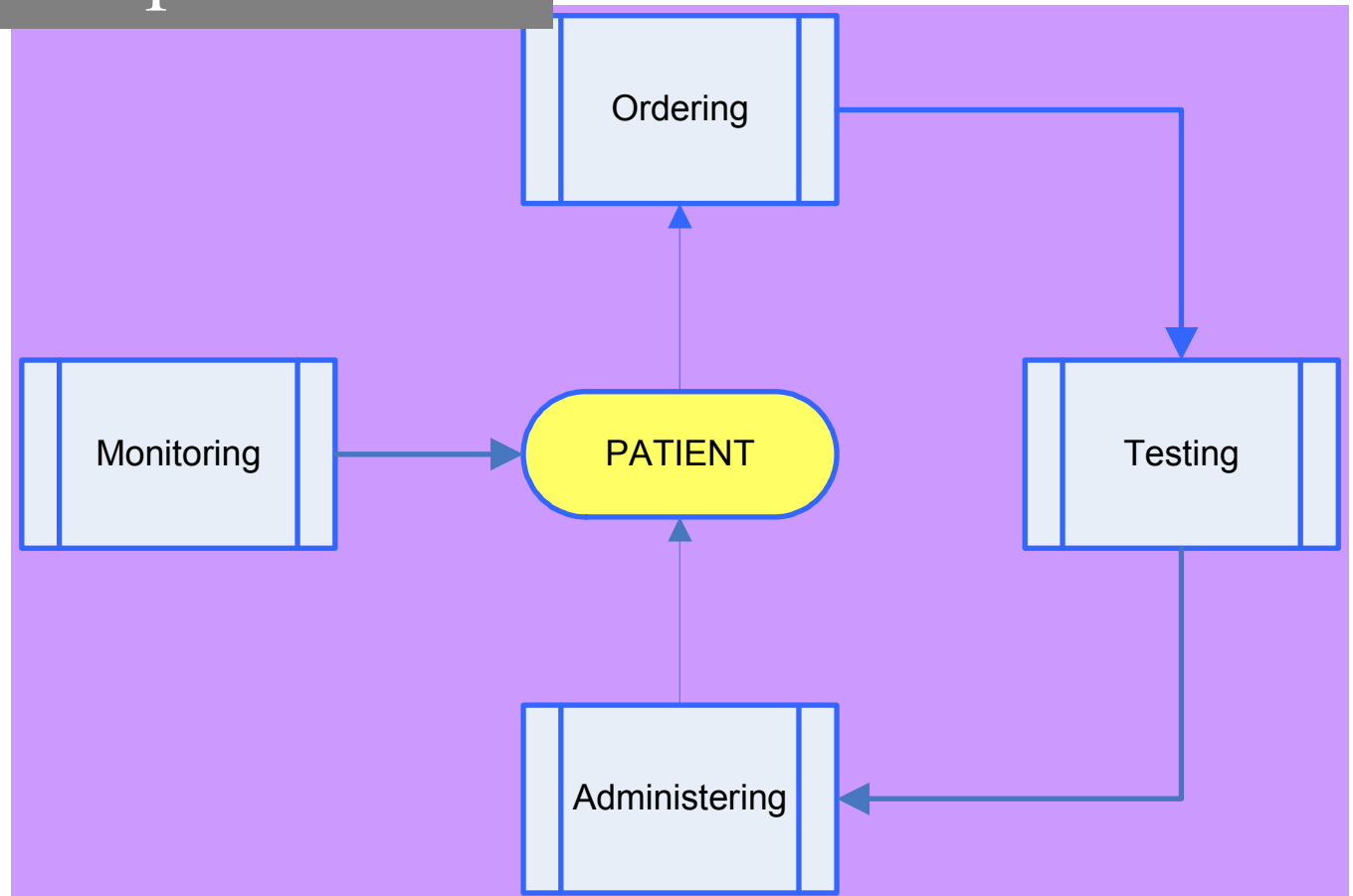


Promoting & sharing best practice across the EU



**Optimal Blood Use Project**

## Clinical transfusion process





# Terminology

- Different member countries have
  - different names for jobs / roles
  - Same job name does different things
  - Some jobs titles do not exist in some countries
- Therefore, will identify training needs for defined roles
  - ‘taking blood samples’ and not Phlebotomist.
  - ‘transport of blood’ and not Porter.
- Different words mean different things
  - ‘collection’
  - ‘distribution’
  - ‘issue’

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## **Project Methods**

1. Survey to identify current transfusion practice
2. Resource toolkit in the form of a 'manual' to facilitate best practice
3. A project website to share and communicate
4. Test the resource toolkit
5. Translate into 7 European languages
6. Disseminate via website

Promoting & sharing best practice across the EU

## Project Achievements

- Manual
- Language versions
  - Portuguese, Polish, German, Italian, Greek, English, French, Spanish
- Supporting website

### Manual of Optimal Blood Use

Safe, clinically effective and efficient use of donated human blood



# Format for the future

**EU Manual of Optimal Use of Blood Components**

**Contents**

- Blood components Information for users
- Safe Administration of blood
- How to audit compliance with guidelines
- Training Staff in safe transfusion
- References
- Links

**Blood components Information for users**

- Red Cells
- .....
- .....
- Platelets
- .....
- .....
- Plasma
- .....
- .....
- Cryoprecipitate

## The Published Manual

**Journal Articles**

**Teaching Resources**

**e- Learning Resources**

**Audit and Evaluation tools**

**EU and National Laws**

**National Transfusion Guidelines**

## Website resources

Promoting & sharing best  
practice across the EU



**Optimal Blood  
Use Project**

## Contact Details

**EU Optimal Blood Use Project Team**

**Telephone: +44 (0) 131 536 5902**

**Email: [NSS.eu@nhs.net](mailto:NSS.eu@nhs.net)**

**Web: [www.optimalblooduse.eu](http://www.optimalblooduse.eu)**