

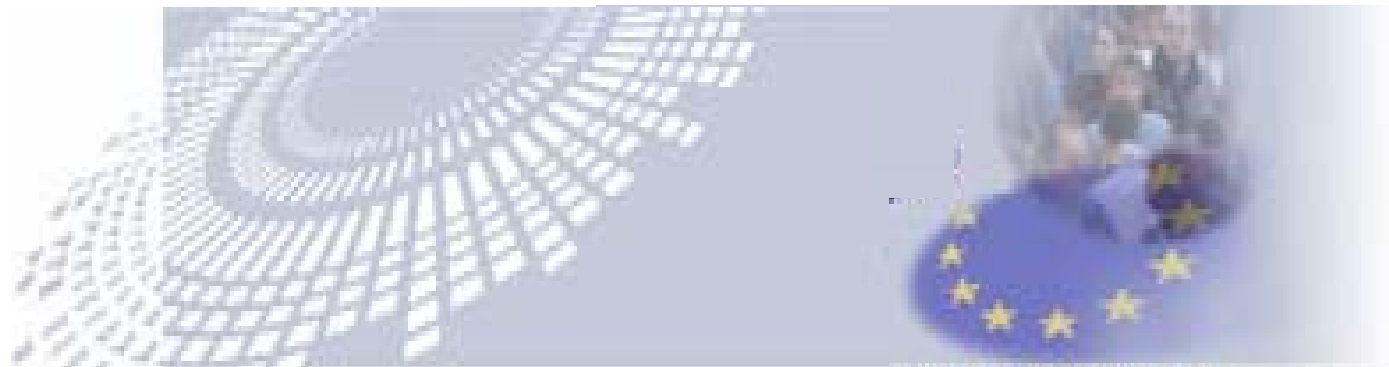


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EU-Funded Research on Influenza

Octavi Quintana
Director - Health
DG Research
European Commission



EUROPEAN RESEARCH AREA

Towards FP7



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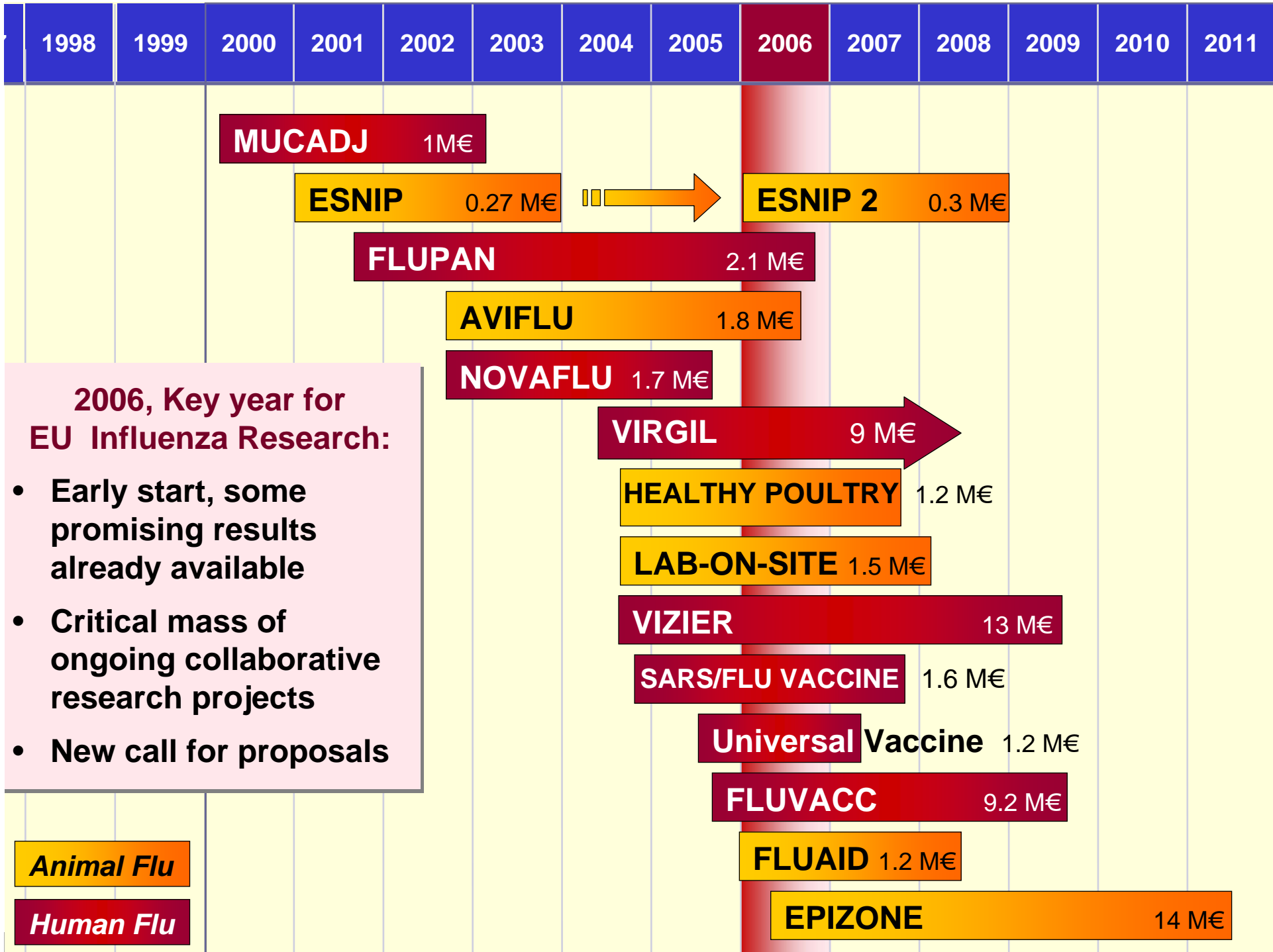
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EU Research: From basic to applied, from animal to human

- 15 research projects funded since year 2000 under FP5 and FP6
- Focus on new vaccines, antivirals, surveillance and animal health
- Involvement of Industry and Academia
- New call for proposals dedicated to Flu Research: **deadline 22 March 2006**
- Over 40 million Euro investment in Influenza Research (*including 20 M dedicated call*)
- **New sector:** Emerging Infectious Diseases (*in humans*). More relevance in FP7



Towards FP7



2006, Key year for EU Influenza Research:

- Early start, some promising results already available
- Critical mass of ongoing collaborative research projects
- New call for proposals

Animal Flu

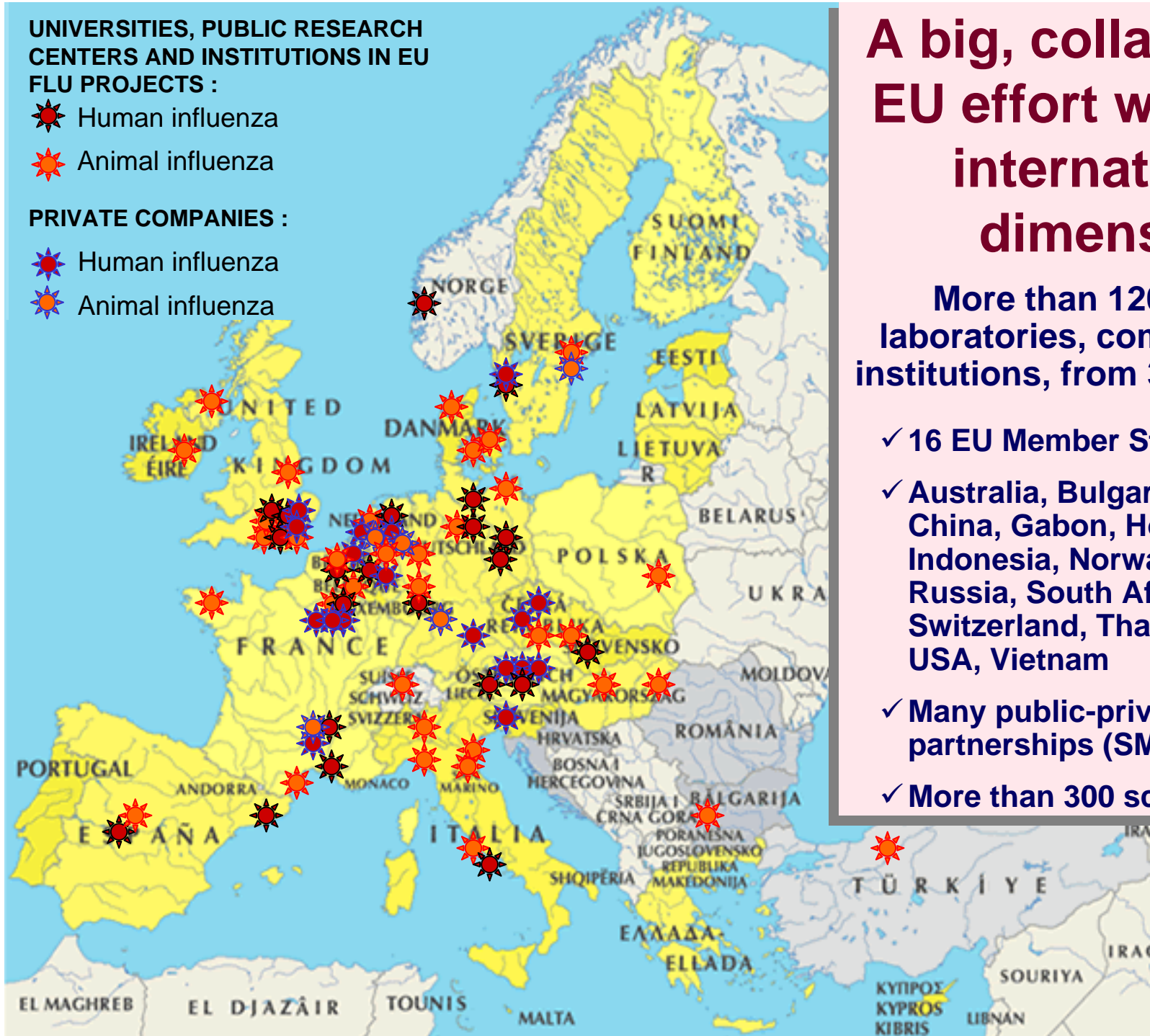
Human Flu

UNIVERSITIES, PUBLIC RESEARCH CENTERS AND INSTITUTIONS IN EU FLU PROJECTS :

- ☀ Human influenza
- ☀ Animal influenza

PRIVATE COMPANIES :

- ☀ Human influenza
- ☀ Animal influenza



A big, collaborative EU effort with wide international dimension

More than 120 partner laboratories, companies and institutions, from 32 countries :

- ✓ 16 EU Member States
- ✓ Australia, Bulgaria, Canada, China, Gabon, Hong- Kong, Indonesia, Norway, Pakistan, Russia, South Africa, Switzerland, Thailand, Turkey, USA, Vietnam
- ✓ Many public-private partnerships (SMEs, pharma)
- ✓ More than 300 scientists





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The Influenza Research Portfolio: Human Flu Projects

VACCINES:

Faster, more effective, better targeted

- **MUCADJ:** Mucosal adjuvants for intranasal influenza immunization
- **FLUPAN:** Preparing for an Influenza Pandemic
- **NOVAFLU:** Novel Vaccination Strategies and Vaccine Formulations for Epidemic and Pandemic Influenza Control
- **SARS/FLU VACCINE:** Development of a Combined Influenza/SARS Vaccine
- **FLUVACC:** Live Attenuated Replication-Defective Influenza Vaccine
- **UNIVERSAL VACCINE:** Universal Vaccine





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The Influenza Research Portfolio: Human Flu Projects

ANTIVIRALS: Discovery and Monitoring Resistance

- **VIRGIL:** European Vigilance Network for the Management of Antiviral Drug Resistance
- **VIZIER:** Comparative Structural Genomics of Viral Enzymes Involved in Replication





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A Dedicated Call for Proposals: SSP-5B INFLUENZA

**SCIENTIFIC SUPPORT TO POLICIES:
SPECIAL CALL ON AVIAN / PANDEMIC INFLUENZA**

www.cordis.lu/lifescihealth/ssp.htm



- Published on 22nd December 2005
- Deadline: **22 March 2006**
- **20 Million Euro**
- For Research, Coordination and Support projects (*STREP, CA and SSA*)
- 11 Tasks to be covered by projects on **animal** and **human** influenza
- Private/public partnerships, multidisciplinary research
- **Involvement of affected countries is encouraged**

Towards FP7



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A Dedicated Call for Proposals: SSP-5B INFLUENZA

Providing health and security to the people of
Europe (HUMAN FLU RESEARCH) 10M€

HOW DOES THE VIRUS OPERATE?

- Defining molecular markers of pathogenicity in highly pathogenic influenza (STREP)

KEEPING TRACK OF ITS SPREAD

- Strengthening of the research support to surveillance of influenza (STREP)

MAKING MORE VACCINE DOSES

- Clinical research on the immunogenicity of pandemic influenza vaccines (STREP)

COORDINATING EFFORTS

- European Coordination Conference/Workshop on influenza research (SSA)



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Conclusions

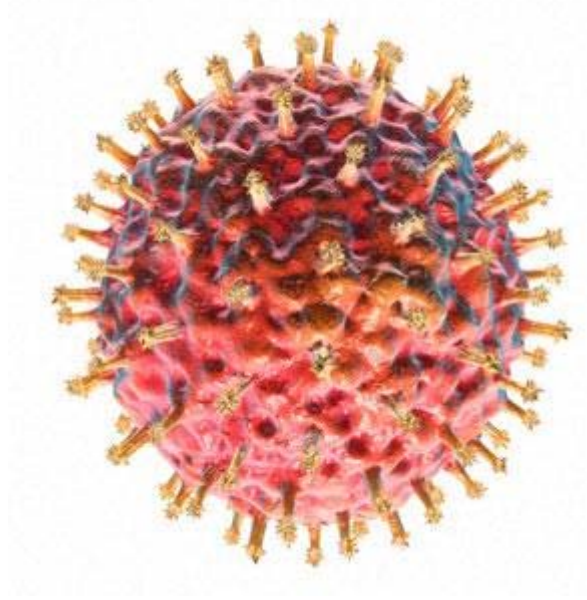


- This may be the first time in history that we can prepare for a global pandemic in advance.
- Europe's research effort is providing a good foundation on which to mount our defences.
- Public support to research on emerging infectious diseases such as influenza will continue in the future



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Towards FP7