



# Vaccination challenges and EU cooperation. What is the way forward?

Palace of the Academies

November 19, 2018

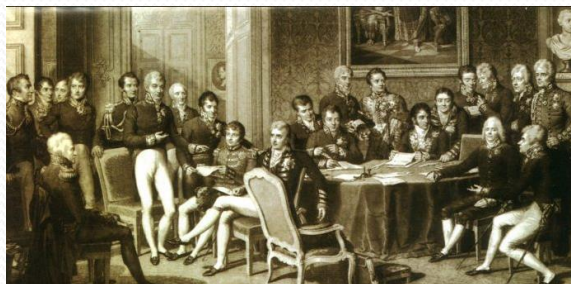
# The 19th Century: a century of wars, rebellions and revolutions.

Waterloo  
June 18, 1815

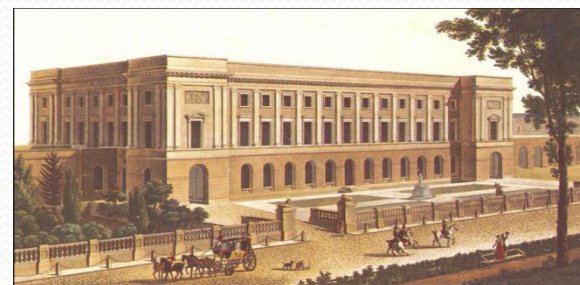


The new Kingdom of the Netherlands was created. It included formerly Austrian territory that in 1830 became Belgium .

Congress of Vienna  
November, 1815



1828



# The 19th Century: The launching of vaccination.



Jenner Variolation



Pasteur Vaccination

## HISTORY OF VACCINATION

- 1796 - Jenner – cowpox
- 1885 - Pasteur – cholera, diphtheria, chickenpox, rabies
- 1911 - first typhoid vaccine
- 1927 - first tetanus vaccine
- 1931 - Calmette & Guerin – first crude BCG
- 1936 - influenza
- Modern era of vaccination
- 1940 - diphtheria national programme in UK
- 1950's - polio, pertussis, modern BCG
- 1960's - measles, mumps & rubella, modern tetanus
- 1980's - *H. Influenzae B* (Hib)
- 2000's - Meningitis C, Human papilloma virus (HPV)



Joseph Meister the first  
vaccinate in 1885



# The 21st century: the rebellion again

