



10<sup>th</sup> Edition

## International Childhood Cancer Awareness Day (ICCD2020)

18 February 2020  
13:00 to 15:00

European Parliament  
Brussels, Belgium



## Artificial Intelligence and Big Data:

## Towards the next frontier in paediatric cancer research & innovation in Europe

*Hosted by Patrizia Toia, MEP (S&D, IT), Vice-Chair of ITRE*



For a Brighter Future for Children & Adolescents with Cancer



18 February 2020

International Childhood Cancer Awareness Day 2020

[www.siope.eu](http://www.siope.eu)



# The European Paediatric Cancer Community Vision on AI & Big Data

**Survivors and Parents WANT to share data  
and DEMAND data to be open access to**

- Foster life saving innovation
- Open new treatment options
- Gather information on follow up care
- Generate relevant information to facilitate prevention strategies





# The European Paediatric Cancer Community Vision on AI & Big Data

## Parents, patients and survivors

- NEED to understand the causes of childhood cancer
- EXPECT research in various areas through interaction with AI and Health in all policies across Europe
  - WANT European Institution for data collection, storage and open access to all scientists





# The European Paediatric Cancer Community Vision on AI & Big Data

## EXAMPLE: Harmony BigData Platform



Big Data for  
Better Outcomes

European Union's Horizon 2020 research and innovation programme and the European Federation of Pharmaceutical Industries and Associations (EFPIA).

- A central repository
- Anonymous data donated by partners and Associated Members
- Data is collected securely following all legal and ethical requirements, harmonized and then analyzed.
- Data sets from different data providers – pharma, hospitals, interventional, and non-interventional trials.

