

SAVE THE DATE



Towards the **EU FOOD SAFETY FORUM**
The new sustainability regulation: how to integrate it
into food safety?

15th December 2022

h. 09:30 - 13:00 CET

 **Copa - Cogeca | European Farmers European Agri-Cooperatives**
Room A 61, Rue de Trèves
Brussels



Grant Agreement No. 101000613

www.foodsafety4.eu





Food is a One Health matter

One Health EJP TOXOSOURCES

Pikka Jokelainen

Statens Serum Institut, Denmark





One Health EJP

GA 773830



FOODBORNE ZONOSES

ANTIMICROBIAL RESISTANCE

EMERGING THREATS

INTEGRATIVE ACTIVITIES



2018-2023

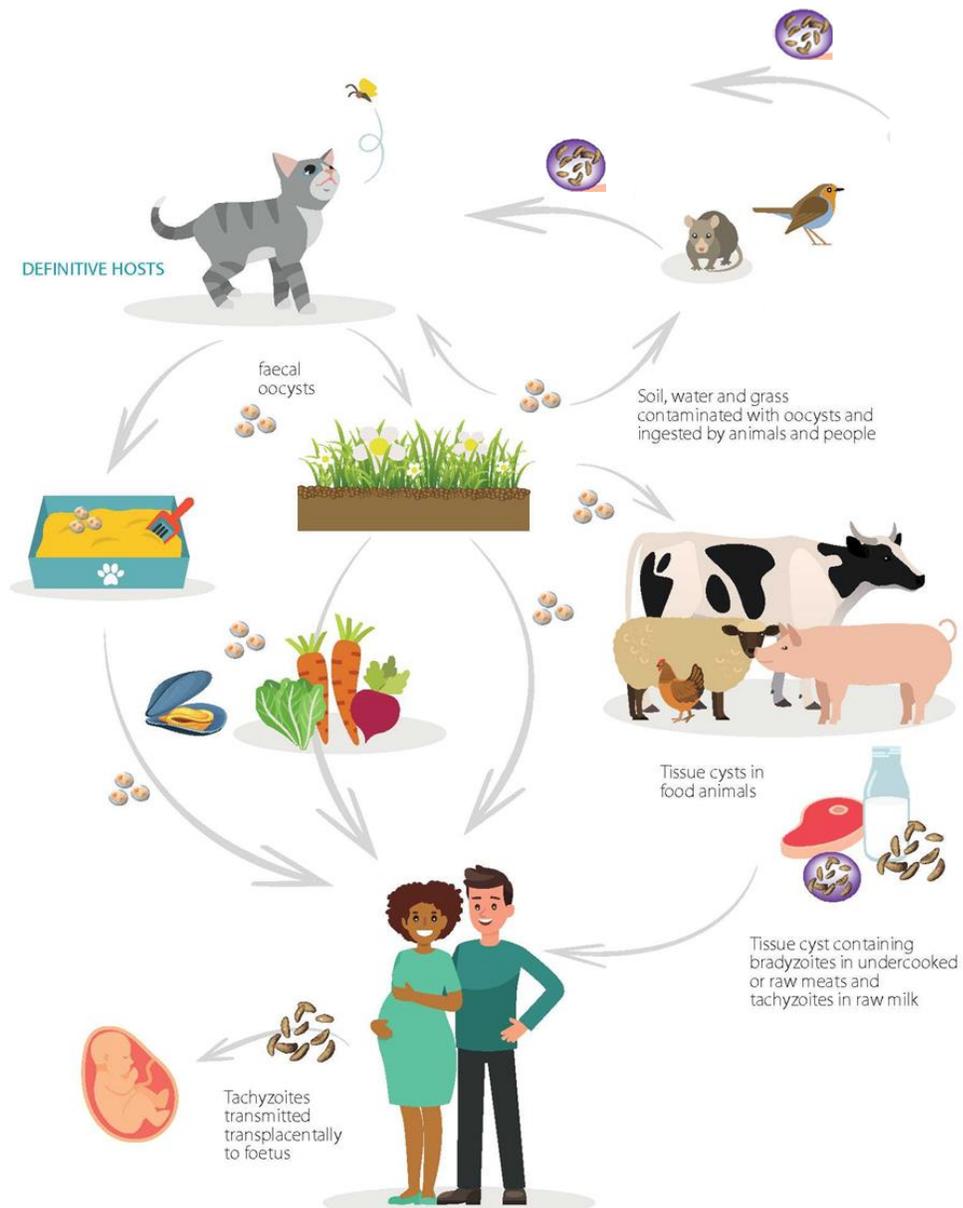


HORIZON 2020
50% CO-FUNDED
€ 90 MILLION



44 PARTNERS
ACROSS EUROPE





Adapted from EFSA BIOHAZ Panel (2018)

LEGEND



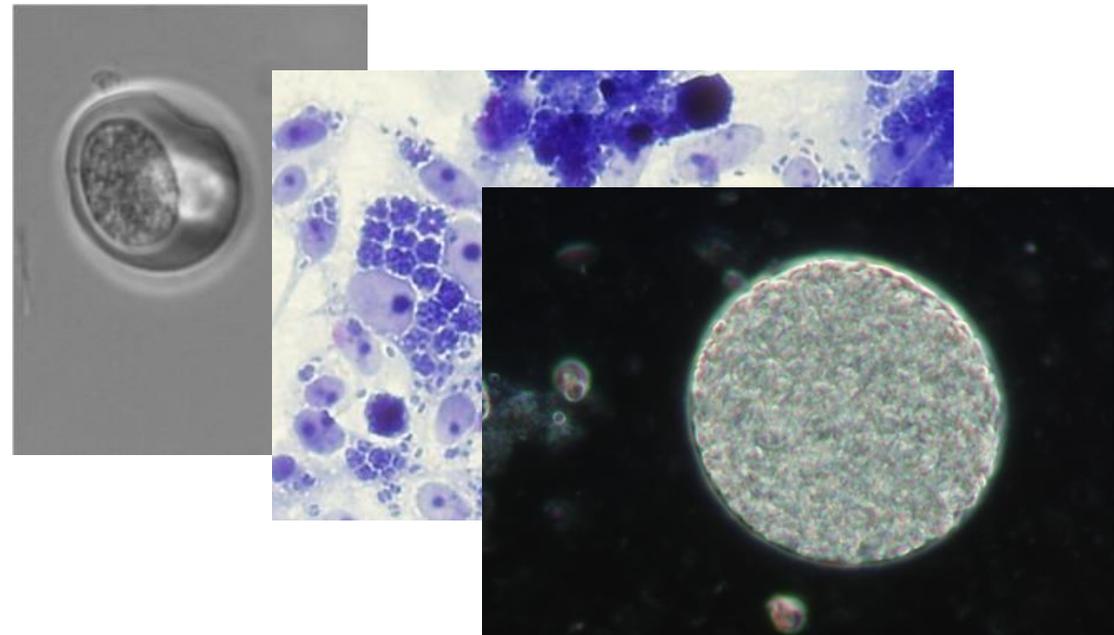
Oocysts



Tachyzoites



Bradyzoite



Gap to address:

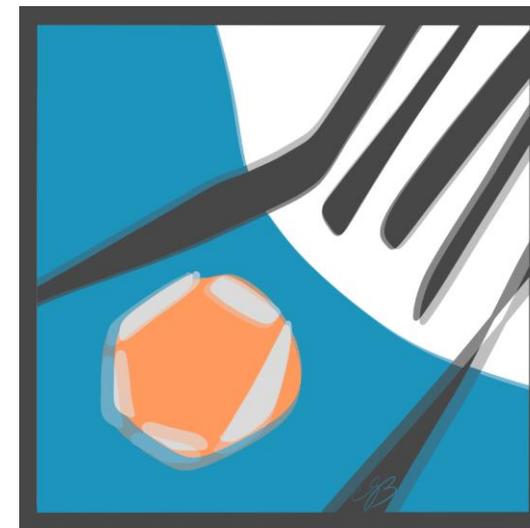
Relative importance of transmission pathways of *Toxoplasma gondii*, via the environment (oocyst-borne) or via meat (tissue-cyst-borne), is still a major issue (EFSA 2018)



TOXOSOURCES

Toxoplasma gondii sources quantified

Joint Research Project within One Health EJP, 2020-2022



Coordination, collaboration and impact

Pikka Jokelainen & Joke van der Giessen

Multicenter quantitative microbiological risk assessment

Marieke Opsteegh & Sara Monteiro Pires

Multicenter study on contamination of ready-to-eat salads

Marco Lalle & Anne Mayer-Scholl

Exploring serology to detect infections via oocysts vs. tissue cysts

Furio Spano & Frank Seeber

***Toxoplasma gondii* typing to detect within-genotype variation**

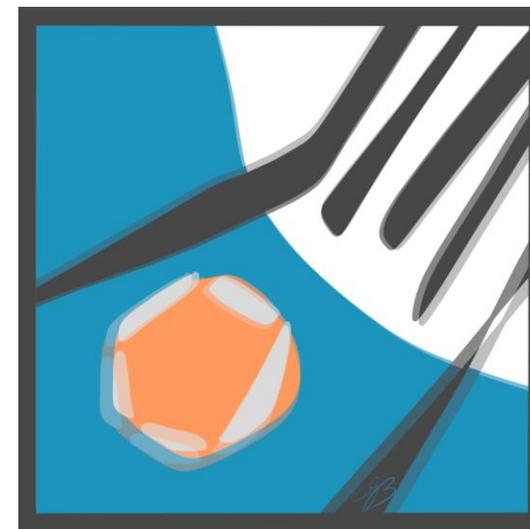
Gereon Schares & Simone Cacciò

Denmark
(SSI, DTU),
Sweden
(SVA, SLV),
Norway
(NVI, FHI),
Poland
(PIWet),
Czech Republic
(VRI, NIPH),
Latvia
(BIOR),
The Netherlands
(RIVM, WBVR),
France
(ANSES),
Germany
(BfR, RKI, FLI),
UK
(UoS),
Italy
(ISS),
Spain
(VISA-VET-UCM),
Portugal
(INSA, INIAV)



TOXOSOURCES: *Toxoplasma gondii* sources quantified

- ✓ Advancing science
 - Improved **understanding** regarding epidemiology and molecular epidemiology across Europe
 - Quantitative estimates of **main sources** and transmission pathways
- ✓ New methods
 - **Harmonized** approaches
 - Better **preparedness** to detect and investigate outbreaks and emerging strains
- ✓ Multidisciplinary, cross-sectoral **collaborations**



<https://onehealthejp.eu/jrp-toxosources/>

<https://zenodo.org/search?page=1&size=20&q=keywords:%22TOXOSOURCES%22>



STATENS
SERUM
INSTITUT



Food is a One Health matter



Pikka Jokelainen

PIJO@ssi.dk

Twitter&Mastodon: [@PikkaJokelainen](https://twitter.com/PikkaJokelainen)

Statens Serum Institut, Denmark

This presentation is part of the European Joint Programme One Health EJP. This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 773830.

