**2nd INTERNATIONAL WORKSHOP**

**within APM NAWA project ScienceNet**

**Cryobanking: a *life insurance* for biodiversity**

**On-line: November 6th, 2021**

Participation free - Language: English

**Moderation Gaia Cecilia Luvoni, Wojciech Niżański**

***General***

10.00-10.30 Directional freezing, vitrification and lyophilization, methodological challenges to preserve biodiversity – Amir Arav (Israel)

***Canids***

10.30-11.00 Stopping time in reproduction: Pitfalls and benefits of semen banking of pedigree dogs - Ann Van Soom (Belgium)

11.00-11.15 Influence of single layer centrifugation with Canicoll on semen freezability in dogs - Guillaume Domain (Belgium)

Coffee Break 11.15-11.30

***Felids***

11.30-12.00 3D in vitro systems for cat vitrified oocytes - Martina Colombo (Italy)

12.00-12.15 Steps towards successful blastocyst vitrification in domestic cats. Malgorzata Ochota (Poland)

12-15-12.30Influence of fragment size in cat ovarian tissue vitrification - Hiba Ali Hassan (Belgium)

Break 12.30-13.00

***Equids***

13.00-13.30 Cryopreservation of equine oocytes and embryos - Katrien Smits (Belgium)

13.30-13.45 Optimization of cryoprotective agents for the vitrification of equine immature oocytes - Daniel Velez (Belgium)

13.45-14.00 Cryopreservation of donkey semen - Manuel Hidalgo (Spain)

***Ruminants***

14.00-14.30 Preservation of maternal fertility in an endangered Italian cow breed: the INNOVA project – Valentina Lodde (Italy)

Coffee Break 14.30-14.45

***Birds***

14.45-15.15 The optimisation of avian semen cryopreservation conditions - searching of the balance - Agnieszka Partyka (Poland)

15.15-15.30 Italian semen cryobank for the conservation of poultry autochthonous breeds. - Silvia Cerolini (Italy)

***Chiroptera***

15.30-15.50 Challenges in cryopreserving Chiroptera semen – Smadar Tal (Israel) Susanne Holtze (Germany)

**Final Conclusions**

15.50- 16.00 G.C. Luvoni and W. Niżański