Climate change and invasive mosquito species: the role of nuclear applications IAEA Scientific Forum Nuclear Technology for Climate

Mitigation, Monitoring, Adaptation

18-19 September 2018

Bellini Romeo



Convention on Biological Diversity (Rio Earth Summit 1992)

"An invasive alien species (IAS) is a species that is established outside of its natural past or present distribution, whose introduction and/or spread threaten biological diversity"

Aedes albopictus

eLIFE Research article

Ecology | Epidemiology and global health



Aedes aegypti



ECDC and EFSA. Map produced on 1 Jun 2018. Data presented in this map is collected through the VectorNet project. The maps are validated by designated external experts prior to publication. Please note that the data do not represent the official view or position of the countries. * Countries/Regions are displayed at different scales to facilitate their visualization. Administrative boundaries: ©EuroGeographics; ©UN-FAO; ©Turkstat.

18-19 September 2018



Towards the elimination of *Aedes albopictus* from Heidelberg, Germany. In collaboration with Kommunale Aktionsgemeinschaft zur Bekämpfung der Schnakenplage (KABS)



Sterile males produced in Italy and released in Germany 2016: 85,000 2017: 250,000 2018: 500,000

Mean Reduction Viable Eggs 99.7 %

ACKNOWLEDGMENTS

Lonops,





infraVec2

RegioneEmilia-Romagna