

STUDY : Year-round pesticide  
contamination of public sites near  
intensively managed agricultural areas in  
South Tyrol

Environmental Sciences Europe, 2021

30th June 2021



UMWELTSTIFTUNG | GREENPEACE



University of Natural Resources and Life Sciences, Vienna



Gruppo Verde in Consiglio Provinciale  
Grüne Fraktion im Landtag



Dachverband für Natur- und Umweltschutz in Südtirol

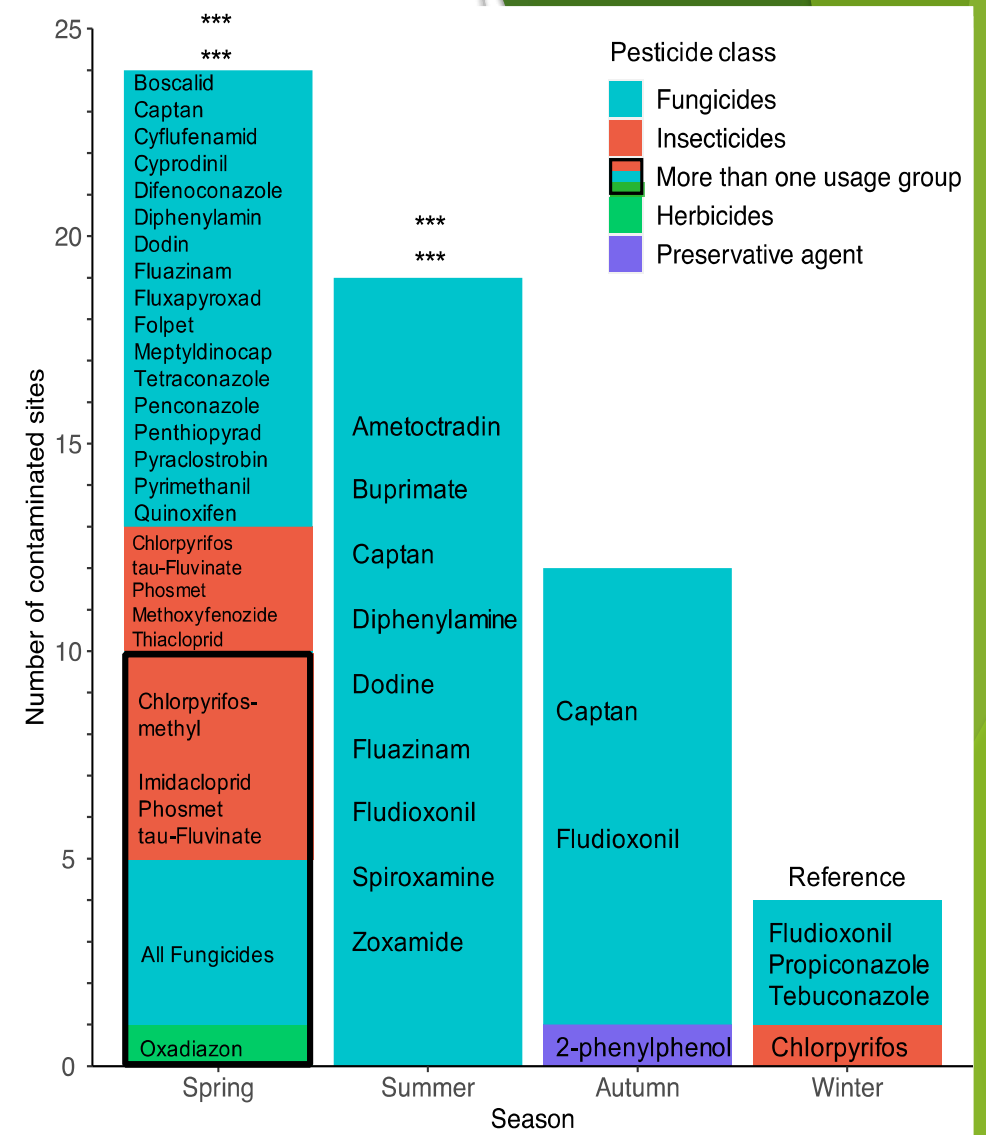
# Introduction

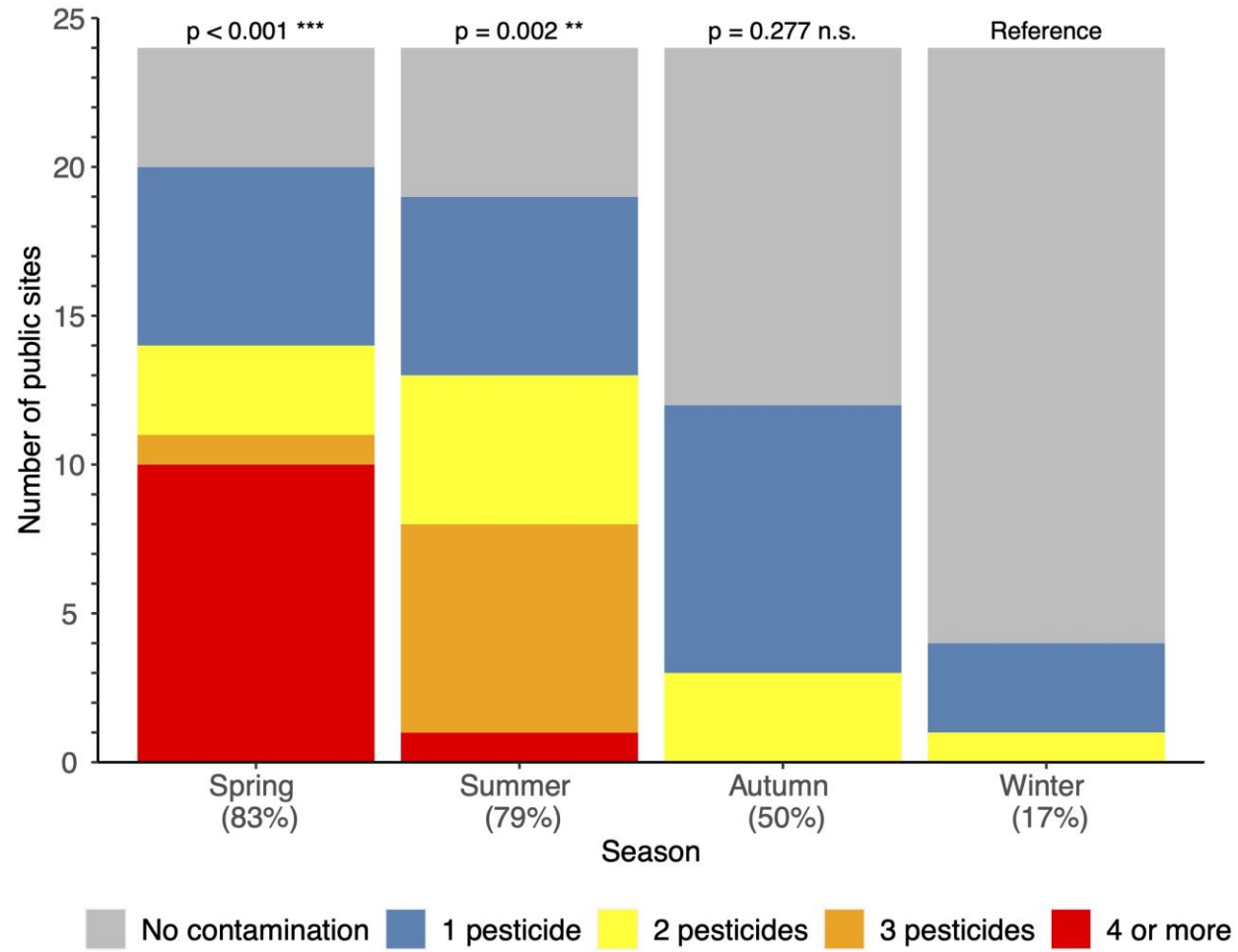
- Framing of this project
- Why did we do this study?
- Content of this study
- Journal «Environmental Sciences Europe» (Impact factor 5.4)

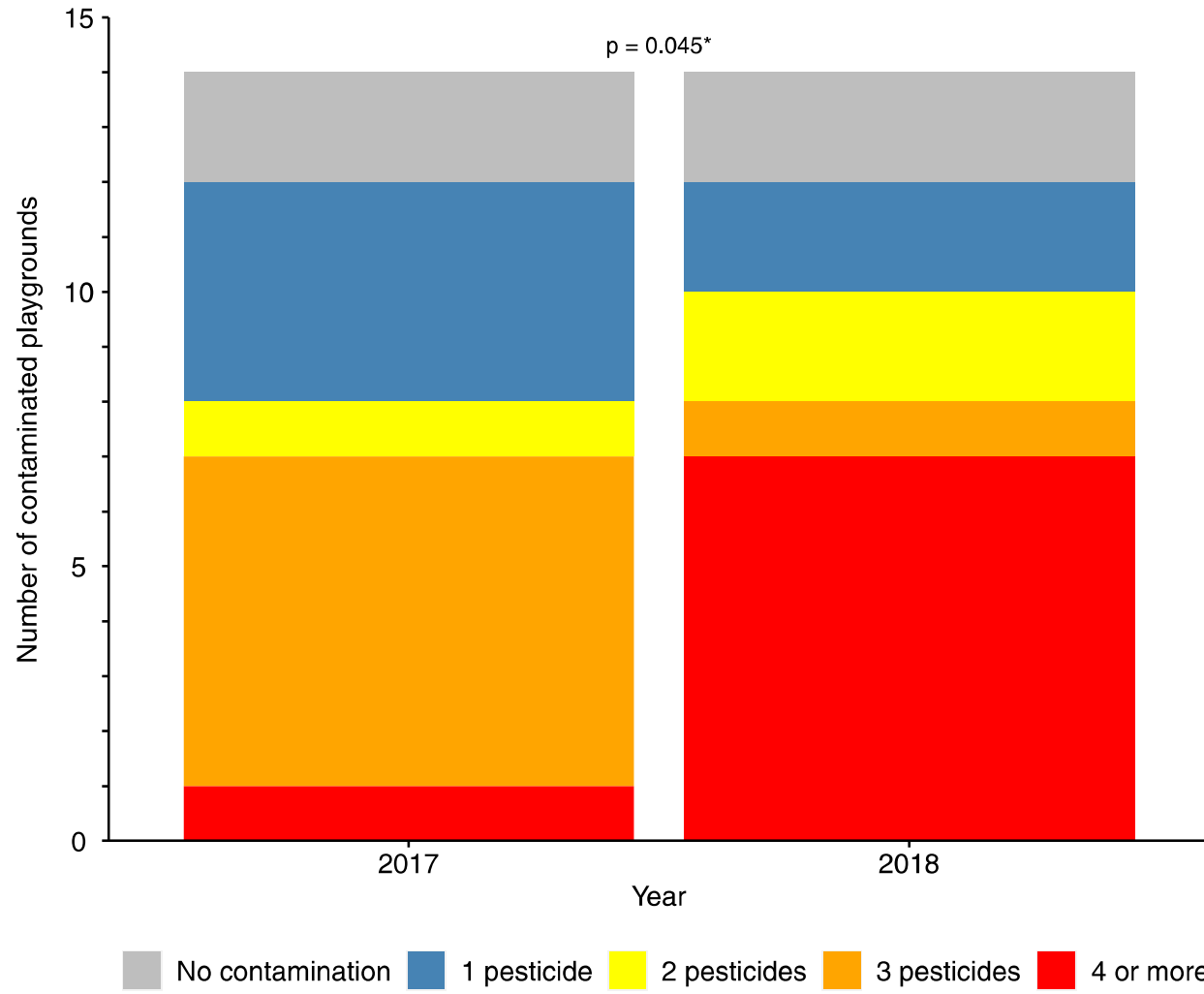


# Results

- ✓ 32 pesticides, 1 preservative agent
- ✓ 25 Endocrine Disrupting Chemicals (EDC / EDA)
  - Oxadiazon, Chlorpyrifos, Imidacloprid, Methoxyfenozide, Phosmet, tau-Fluvalinate, Thiacloprid, Boscalid, Bupirimate, Captan, Cyprodinil, Difenconazole, Fluazinam, Fludioxonil, Folpet, Meptyldinocap, Penconazole, Penthiopyrad, Propiconazole, Pyraclostrobin, Pyrimethanil, Sproxamine, Tebuconazole, Tetraconazole, Zoxamide
- ✓ Contamination year round with EDC / EDA
- ✓ Multiple residues / cocktail effects
- ✓ Mixtures of EDs at low dose produce significant combination effects also at levels well below the so-called No Observed Adverse Effect Level (NOAEL)
- ✓ Long-term effects / Long term exposure / Risk chronic diseases
- ✓ MRL (Maximum Residue Levels) exceeded







# Conclusions and Actions



# CETERUM CENSEO PESTICIDIA ESSE INTERDICENDA

(Above all, I think that pesticides should be banned  
After Cato the Censor, a politician of the Roman Republic)

