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

Environmental Sciences Europe, 2021

30th June 2021

Introduction

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

Pesticide Action Network Europe

UMWELTSTIFTUNG | GREENPEACE

UMWELT-SCHUTZ GRUPPE VINSCHGAU

DER MALSER WEG · LA VIA DI MALLES · LA VIA DA DAVAL

PESTICIDE ACTION NETWORK UK

PAN Germany
Pestizid Aktions-Netzwerk e.V.

BOKU
University of Natural Resources and Life Sciences, Vienna

European Greens
verdi • grüne • vërc
Gruppo Verde
in Consiglio Provinciale
Grüne Fraktion im Landtag

Pesticide Action Network Europe

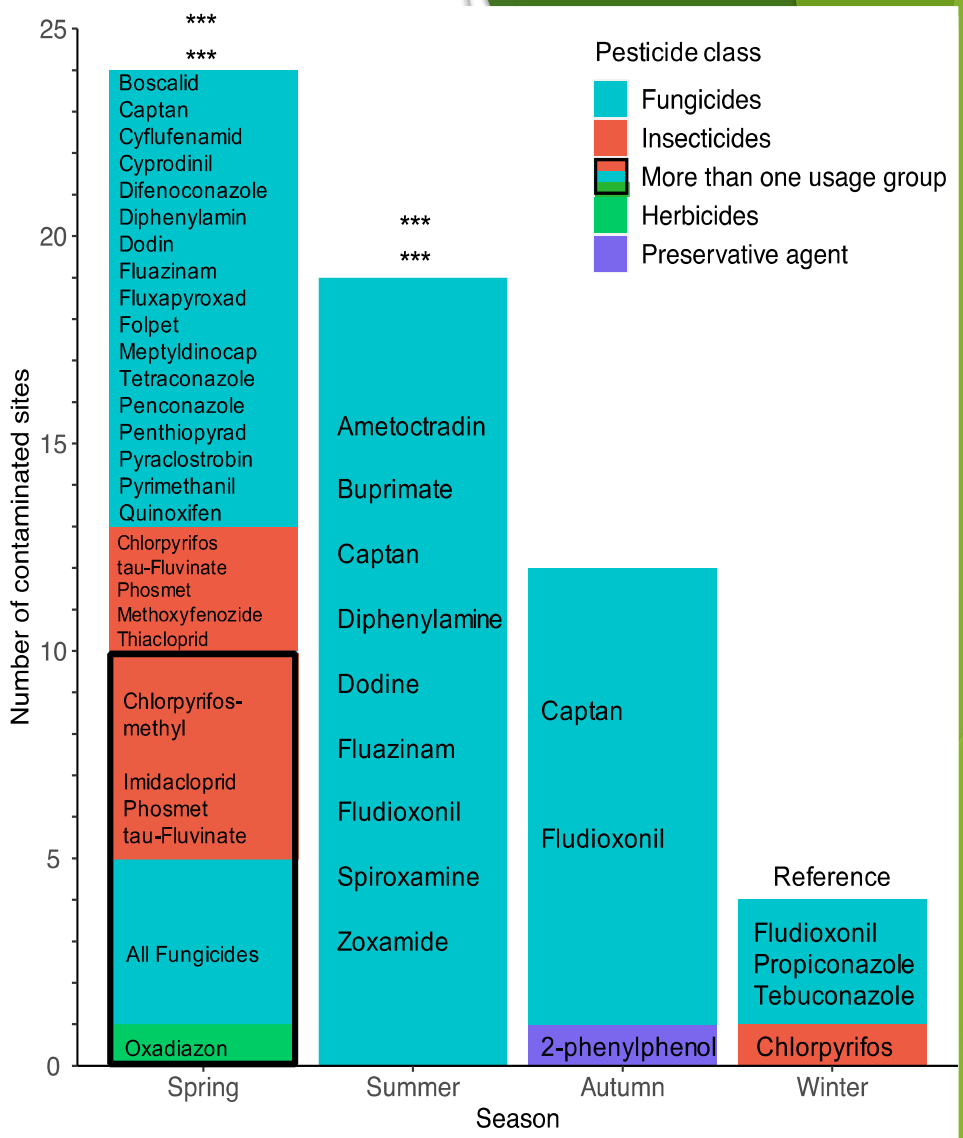
Istituto Ramazzini
COOPERATIVA SOCIALE ONLUS

Dachverband für Natur- und Umweltschutz in Südtirol

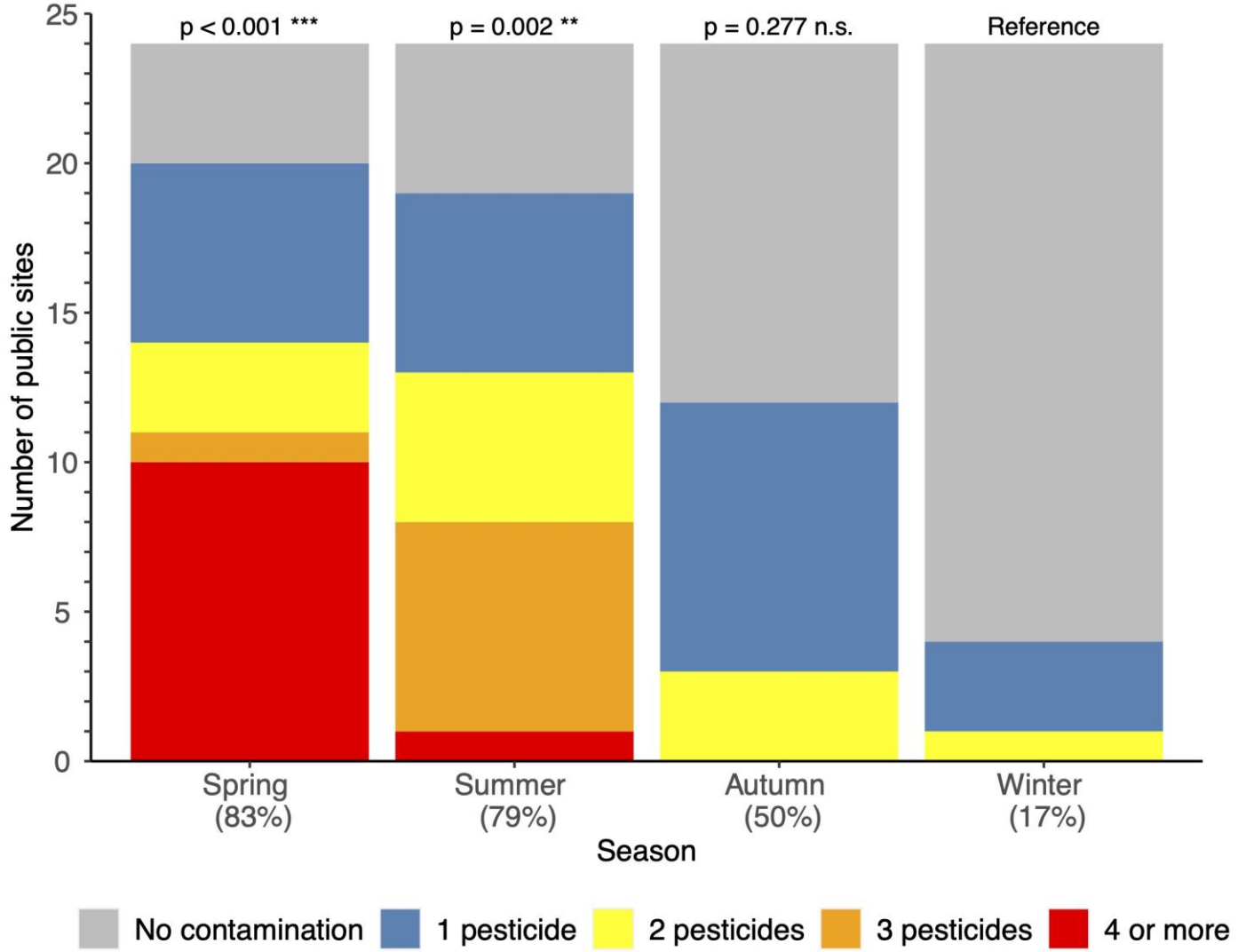
Pesticide Action Network Europe

Results

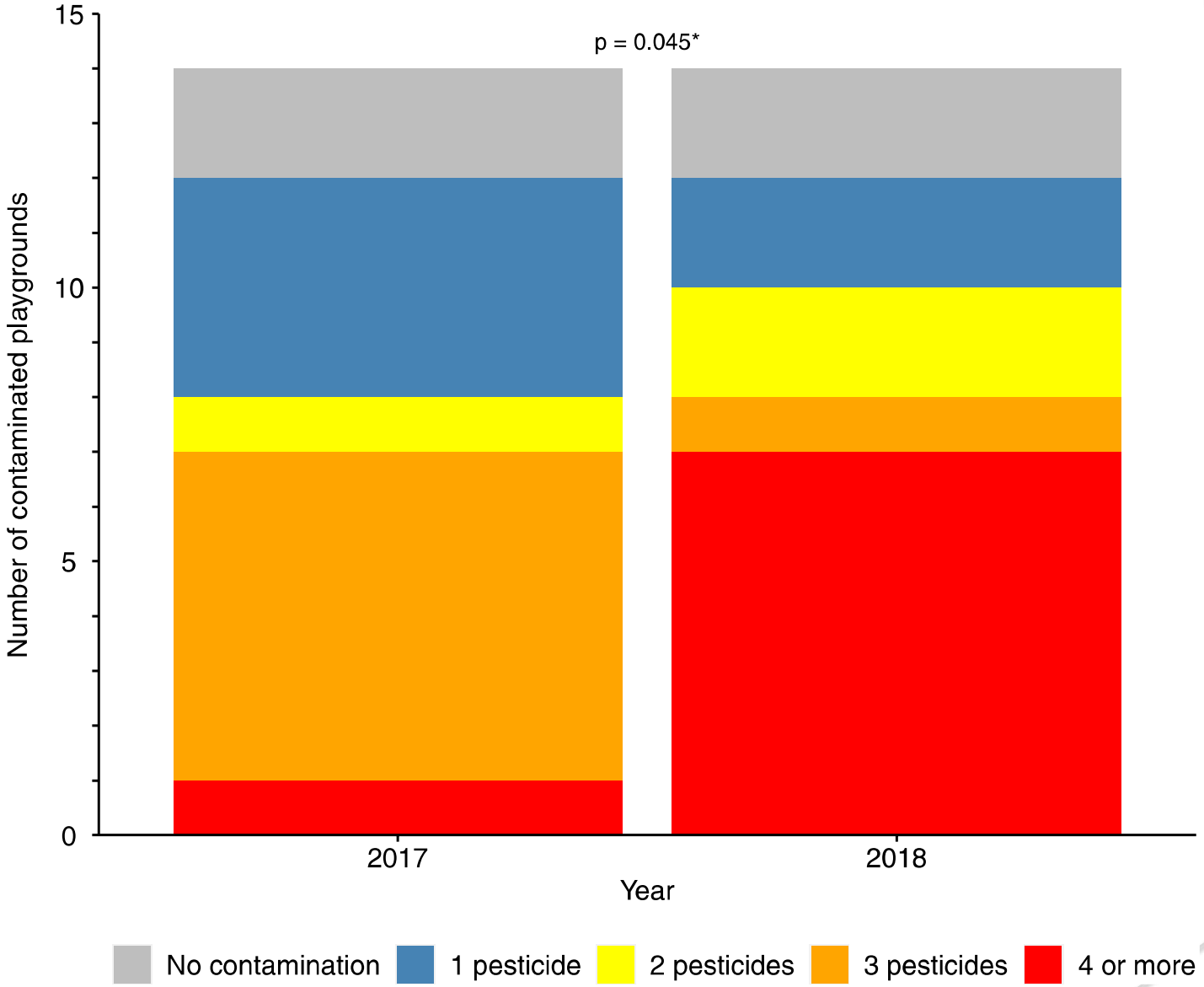
- ✓ **32** pesticides, 1 preservative agent
- ✓ **25** Endocrine Discrupting Chemicals (EDC / EDA)
  - Oxadiazon, Chlorpyrifos, Imidacloprid, Methoxyfenozide, Phosmet, tau-Fluvalinate, Thiacloprid, Boscalid, Bupirimate, Captan, Cyprodinil, Difenoconazole, Fluazinam, Fludioxonil, Folpet, Meptyldinocap, 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



Pesticide Action Network Europe



Pesticide Action Network Europe



Pesticide Action Network Europe

Conclusions and Actions

Pesticide Action Network Europe

CETERUM CENSEO PESTICIDIA ESSE INTERDICENDA

(Above all, I think that pesticides should be banned

After Cato the Censor, a politician of the Roman Republic)

Pesticide Action Network Europe