

# THE DISTRIBUTION OF AMBROSIA SPP. POLLEN GRAINS THROUGH NORTH EAST OF ITALY, SLOVENIA AND CARINTHIA (AUSTRIA) IN 2021

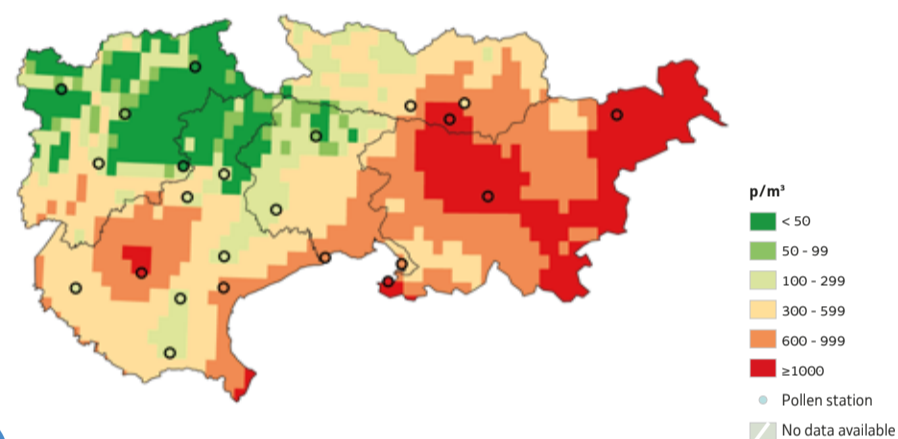
Francesca TASSAN-MAZZOCCO<sup>1</sup>, Pierluigi VERARDO<sup>2</sup>, Irene GALLAI<sup>3</sup>, Damaris SELLE<sup>4</sup>, Stefania LAZZARINI<sup>5</sup>, Elena GOTTARDINI<sup>6</sup>, Veronica KOFFLER<sup>7</sup>, Edith BUCHNER<sup>8</sup>, Helmut ZWANDER<sup>9</sup>, Andreja Kofol Seliger<sup>10</sup>, Anja Simčič<sup>11</sup>, Tanja CEGNAR<sup>12</sup>

<sup>1</sup> Regional Agency for Environmental Protection Friuli Venezia Giulia, Italy [francesca.tassan@arpa.fvg.it](mailto:francesca.tassan@arpa.fvg.it)  
<sup>2</sup> Regional Agency for Environmental Protection Friuli Venezia Giulia, Italy [pierluigi.verardo@arpa.fvg.it](mailto:pierluigi.verardo@arpa.fvg.it)  
<sup>3</sup> Regional Agency for Environmental Protection Friuli Venezia Giulia, Italy [irene.gallai@arpa.fvg.it](mailto:irene.gallai@arpa.fvg.it)  
<sup>4</sup> Regional Agency for Environmental Protection Veneto, Italy [damaris.selle@arpa.veneto.it](mailto:damaris.selle@arpa.veneto.it)  
<sup>5</sup> Regional Agency for Environmental Protection Veneto, Italy [stefania.lazzarin@arpa.veneto.it](mailto:stefania.lazzarin@arpa.veneto.it)  
<sup>6</sup> Fondazione Edmund Mach (FM), Italy [elena.gottardini@fmach.it](mailto:elena.gottardini@fmach.it)  
<sup>7</sup> Biologisches Labor Bozen, Italy [veronica.koffler@boznenz.it](mailto:veronica.koffler@boznenz.it)  
<sup>8</sup> Biologisches Labor Bozen, Italy [edith.buchner@boznenz.it](mailto:edith.buchner@boznenz.it)  
<sup>9</sup> Kärntner Landesregierung, Austria [hw.zwander@kaernten.at](mailto:hw.zwander@kaernten.at)  
<sup>10</sup> National Laboratory of Health, Environment and Food, Slovenia [andreja.kofol@seliger.gov.si](mailto:andreja.kofol@seliger.gov.si)  
<sup>11</sup> National Laboratory of Health, Environment and Food [anja.simcic@ozl.gov.si](mailto:anja.simcic@ozl.gov.si)  
<sup>12</sup> Slovenian Environment Agency, Slovenia [tanja.cegnar@ogov.si](mailto:tanja.cegnar@ogov.si)

## MORE ABUNDANT AMBROSIA ON THE SLOVENIAN AND HUNGARIAN BORDER IN 2021

The sharing of annual monitoring data made it possible to verify that in 2021 *Ambrosia* was very abundant on the border between Slovenia and Hungary, along the lower valley of the Drava and Sava rivers, both tributaries of the Danube.

## ANNUAL AMBROSIA POLLEN INDEX 2021 Universal Kriging



## SCARCITY OF AMBROSIA IN THE VENETIAN PLAIN

The Venetian plain seemed not to be very interested by the presence of this invasive plant, except for the Vicenza's area, while mountain areas were almost free of this pollen.

CITY	AMBROSIA gr/m <sup>3</sup>
Belluno	111,85
Bolzano	85,32
Brunico	16,62
Feltre	131,98
Lignano Sabbiadoro	720
Padova	148,2
Pordenone	235,25
Rovigo	181,97
San Michele all'Adige	139
Silandro	32,41
Tolmezzo	83,12
Treviso	137,78
Trieste	604
Val Canali	47
Venezia	755,8
Verona	297,43
Vicenza	1094,22
Izola	1143
Lendava	7961
Ljubljana	1080
Maribor	1770
Klagenfurt	516
Villach	446
Weizelsdorf Rosental	1630

