



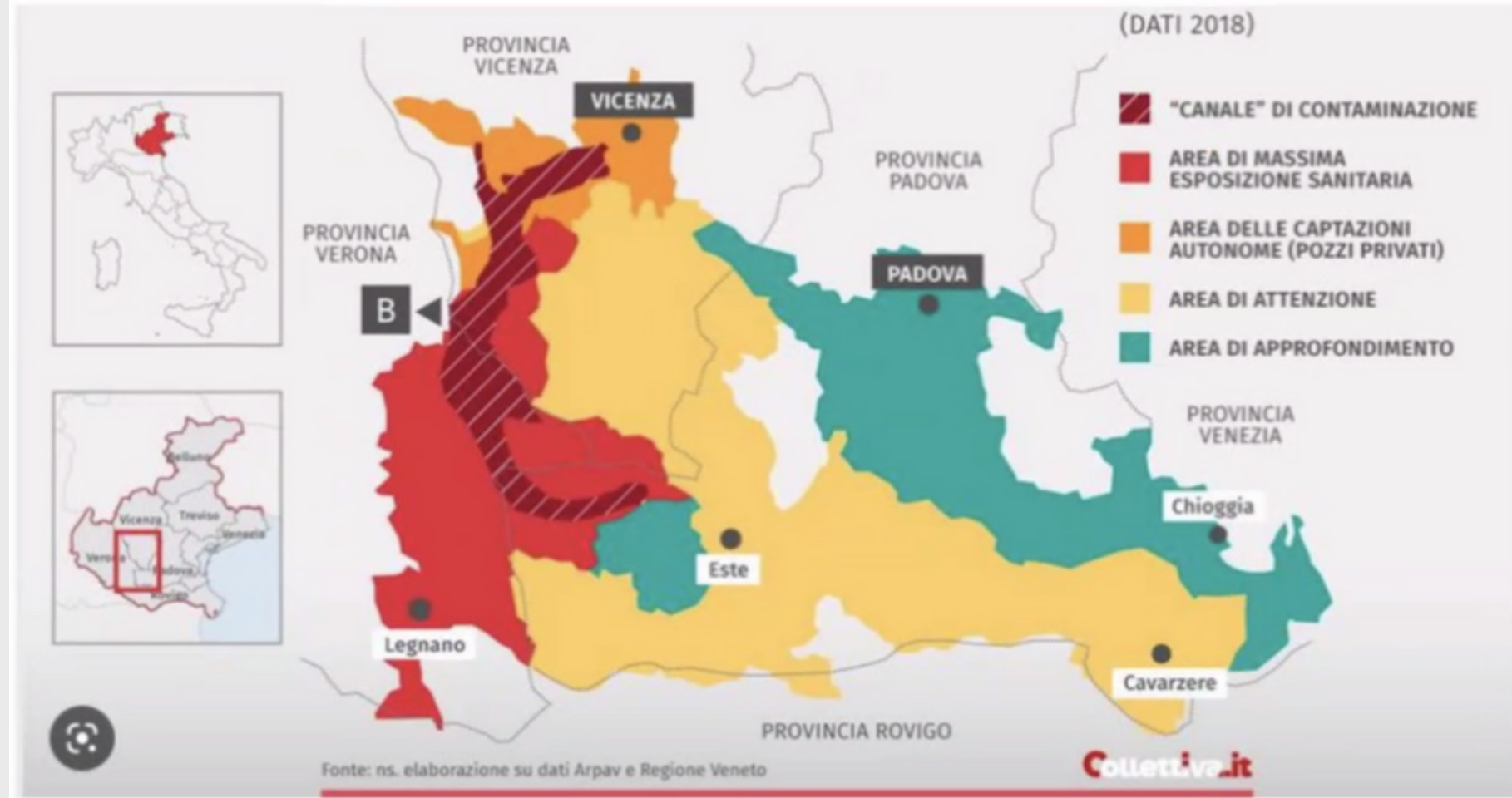
PURIFAS
PURIFICATION FACILITATOR



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Problem Statement

PFAS in Veneto Region



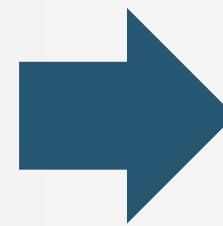
1

PFAS detected in the drinking water of over 350,000 people in Veneto.

2

Health risk: Cancer, development issues in children.

Detecting and decontaminating PFAS is difficult because traditional methods require specialized laboratory analysis, which is time-consuming and costly.



PFAS on the blood.

- (14–29 years): showing PFAS levels 30–40 times higher than non-exposed populations (1.5–8 ng/ml), with some 14–15-year-olds reaching 80, 120, even 350 ng/ml.

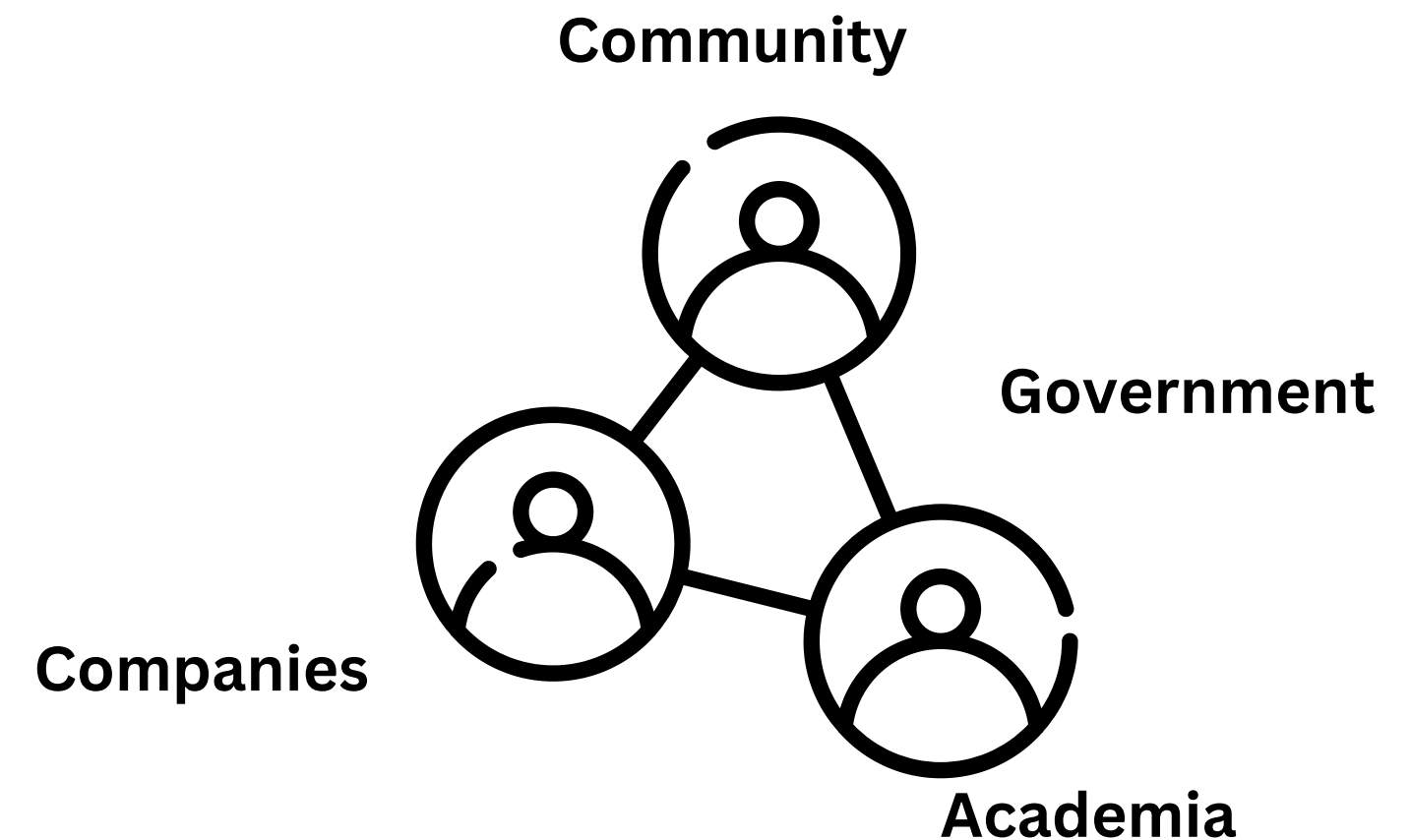
OUR SOLUTION

Biosensor Detection of PFAS



through a portable friendly-user biosensor, we ensure that communities have access to early and easy detection of PFAS in water.

Facilitator



To help bridge knowledge gaps, and promote social reconciliation by improving communication and community-driven solutions.

Survey



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