

## Corporate Innovation Challenge Template

<b>Challenge Name: Natural drinking water disinfectants</b>
<b>Code Name: BIOECONOMYVENTURES-2023-OC3-KNX_1</b>
<b>Challenge Domain:</b> <ul style="list-style-type: none"> <li>Making drinking water bacteriologic safe, for human consumption with natural additives/ bio-based disinfectants</li> </ul>
<b>Description of the Corporate innovation Challenge</b>
<p>Current water disinfectants do not meet future standards:</p> <ol style="list-style-type: none"> <li>Chlorine based products such as chlorine dioxide are very good disinfectants and are able to remove biofilm in waterlines, but there is a risk that residues or by-products come into the water.</li> <li>Hydrogen peroxide-based products are safe but are not strong enough at low dosages to remove the biofilm in waterlines, at drinking water concentrations.</li> </ol> <p>Therefore, we look for an alternative solution which is able to kill bacteria and remove biofilm in waterlines at low dosages and is 100% safe/ biodegradable.</p> <p>The corporate innovation challenges can be set up to introduce a ground-breaking novelty, improving or generating:</p> <ul style="list-style-type: none"> <li>novel processes</li> <li>innovative product</li> <li>novel business model creation</li> </ul>
<b>Expected results</b>
<ul style="list-style-type: none"> <li>The new product type/ technology will allow more wastewater to be re-used in product processes.</li> <li>Increased sales</li> <li>Offering safer solutions with high effectiveness for all type of drinking water recycling/ production</li> </ul>

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### Types of Collaboration

1. R&D opportunity
2. New business model exploration (i.e., exclusive distribution, profit sharing, IP sharing ...)
3. Knowledge sharing and Tech Transfer

### Participation confirmation – if possible, prefer to not disclose the company name

I confirm KONAX availability and participation in the BioeconomyVentures programme. This confirmation allows BioeconomyVentures the right to publicly disclose the company's name, challenge information, logo, and website for the purpose of dissemination and attracting new innovators to the programme.

### Company Information

**Company Name: KONAX**

**Challenge owner name and last name: Stefaan Goudezeune**

**Challenge owner email: [Stefaan.goudezeune@konax.com](mailto:Stefaan.goudezeune@konax.com)**

#### Company information

Konax - Belgium

- We secure safe water for all life = making water bacteriologically safe, in combination with online monitoring.
- Focus on 3 sectors: (food)industry, agriculture, and legionella management. Region: mainly Europe, but also contacts in Asia and Africa.
- We produce water disinfectants; we assemble automatic water treatment units and develop remote monitoring tools for continuous on-line monitoring.
- In the past we had some VLAIO -projects

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**KONAX**  
WE SECURE SAFE WATER FOR ALL LIFE