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Project
2012 - 2014

Laboratory experiments

Technical solution

Field experiments

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Product portfolio

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TRAIN E! 6310

Subsurface remediation technology based on the synergy of biological and abiotic methods

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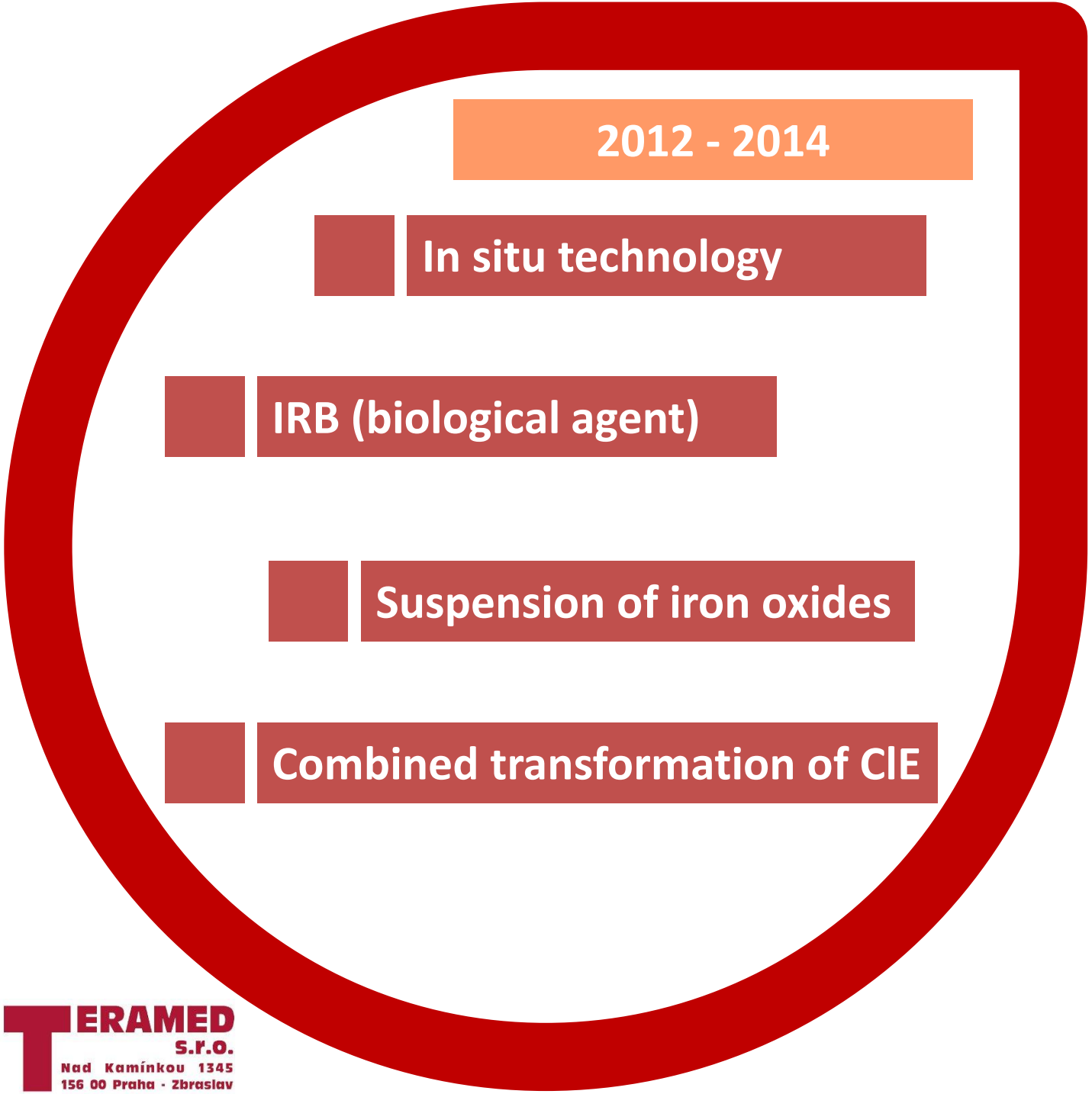

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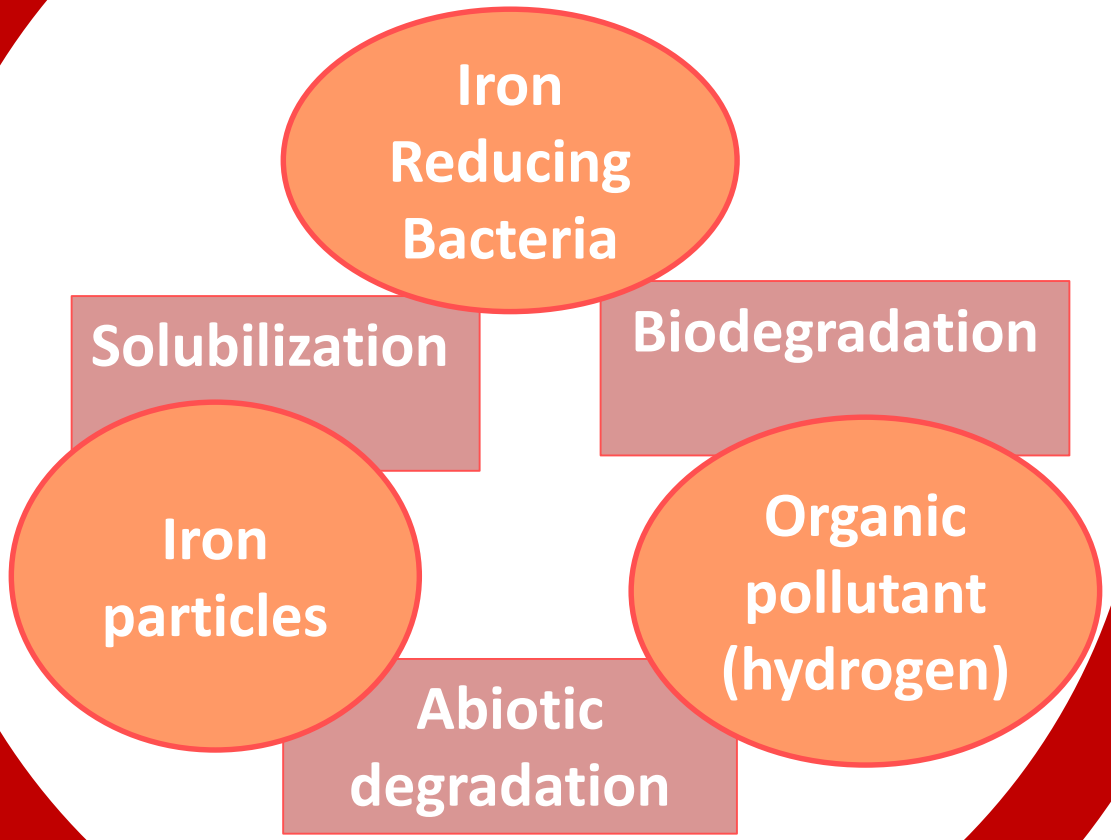
IRB for bioremediation: principle



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[Phase 1]
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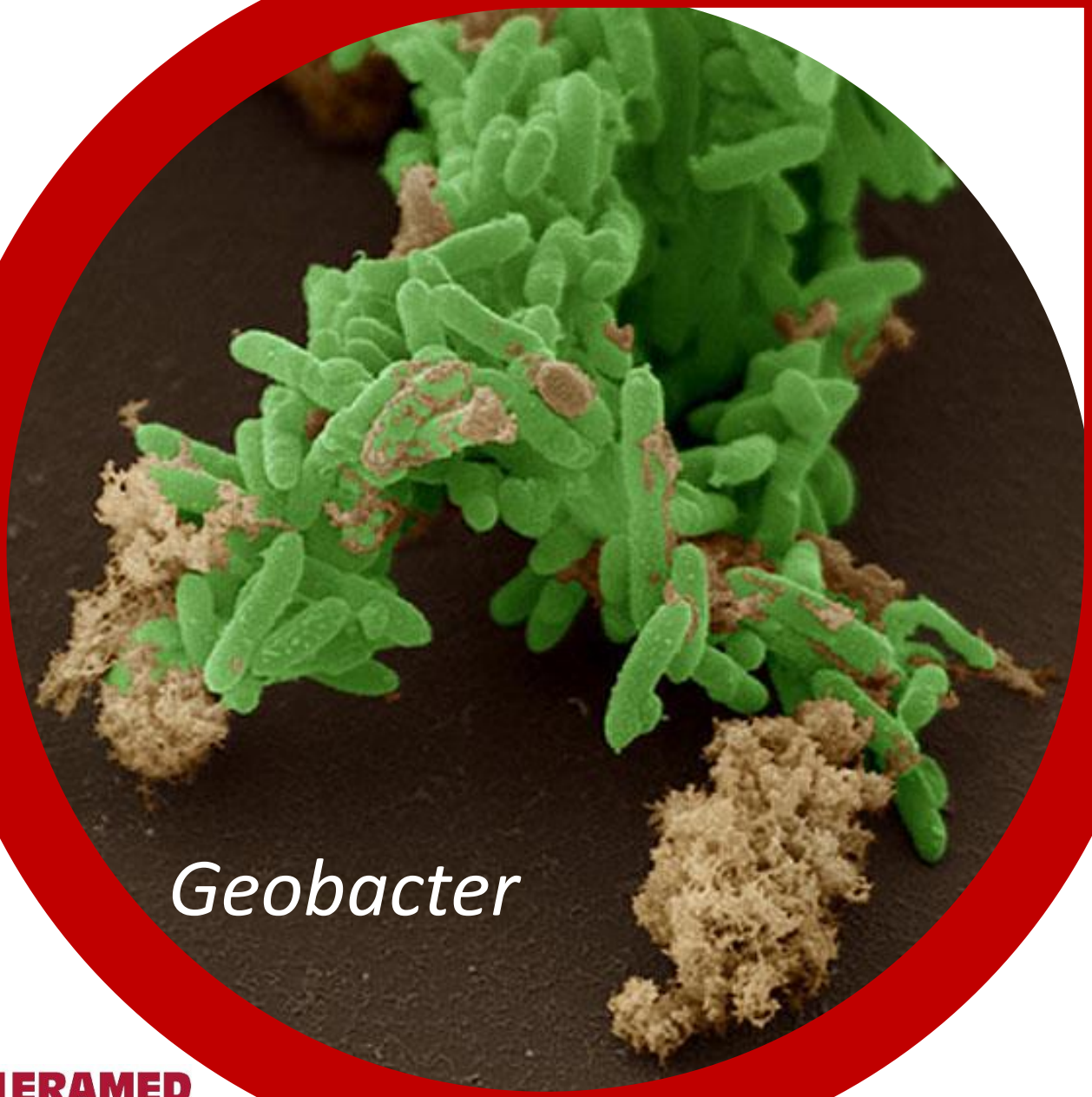

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[Phase 2] **Technical solution**

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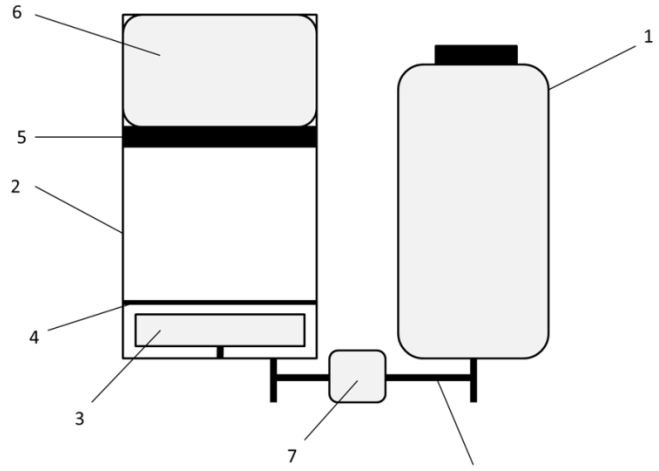

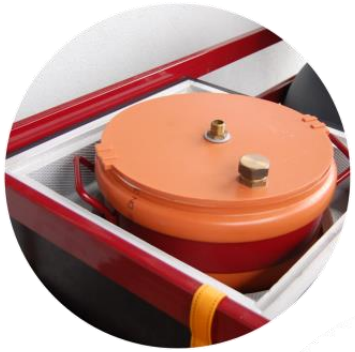

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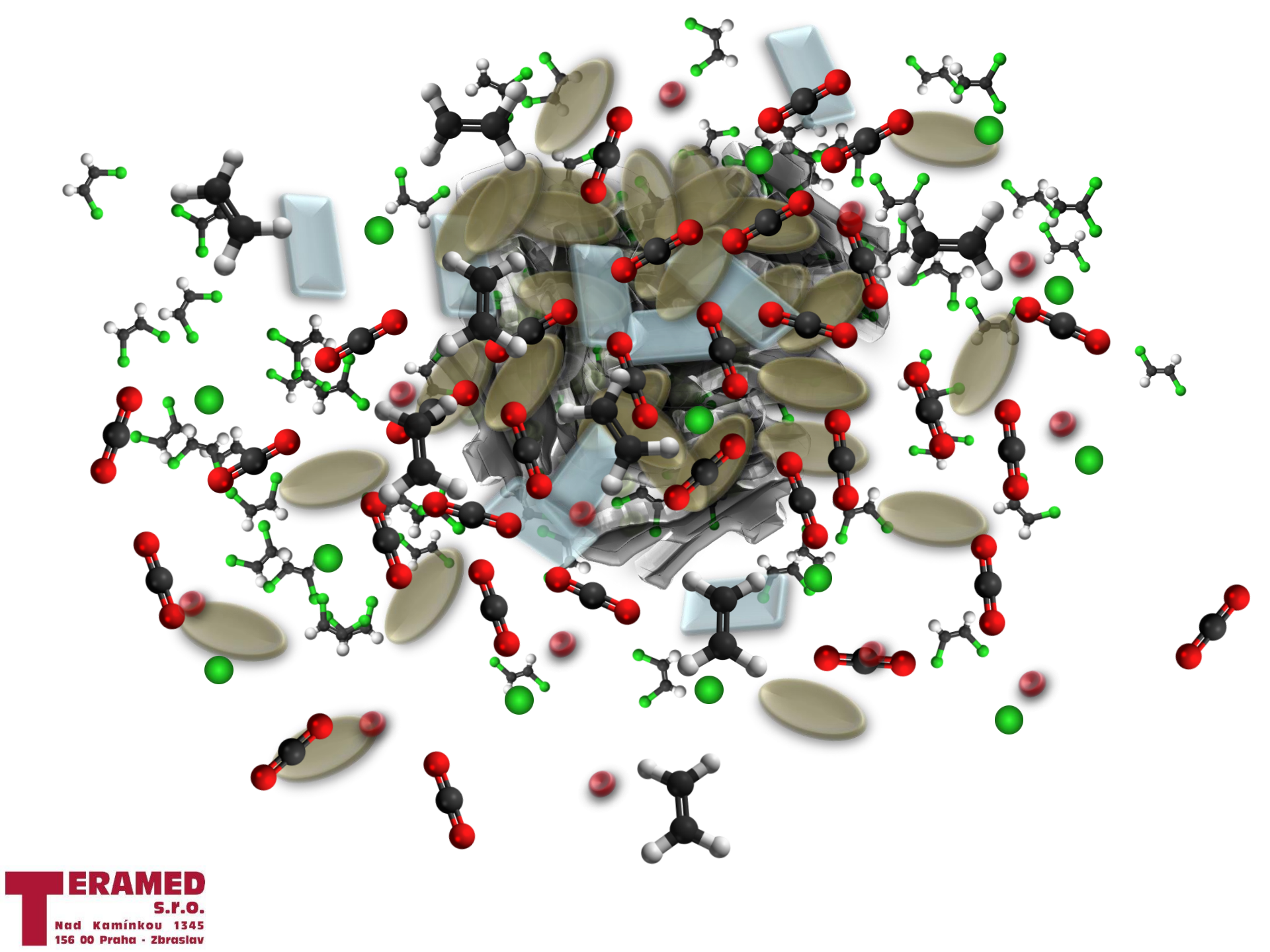

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[Phase 3]
Field experiments

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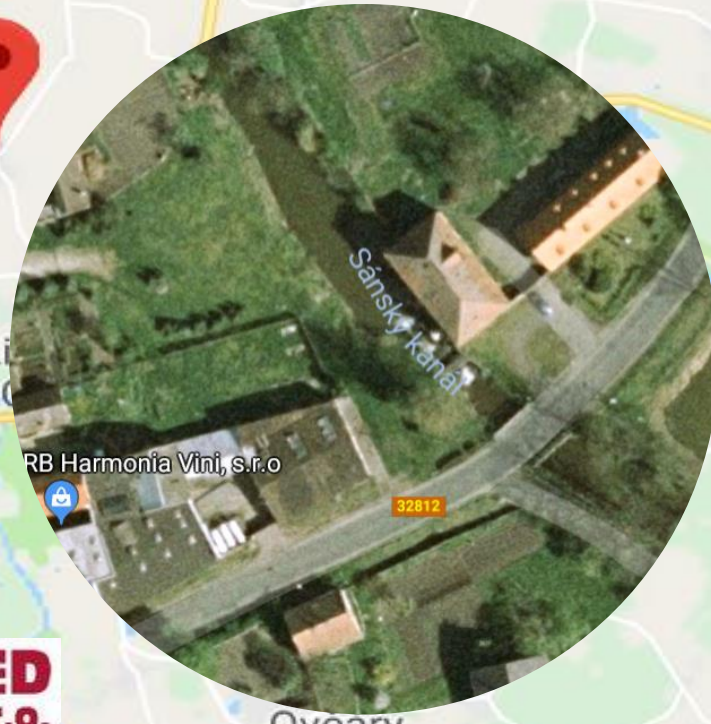
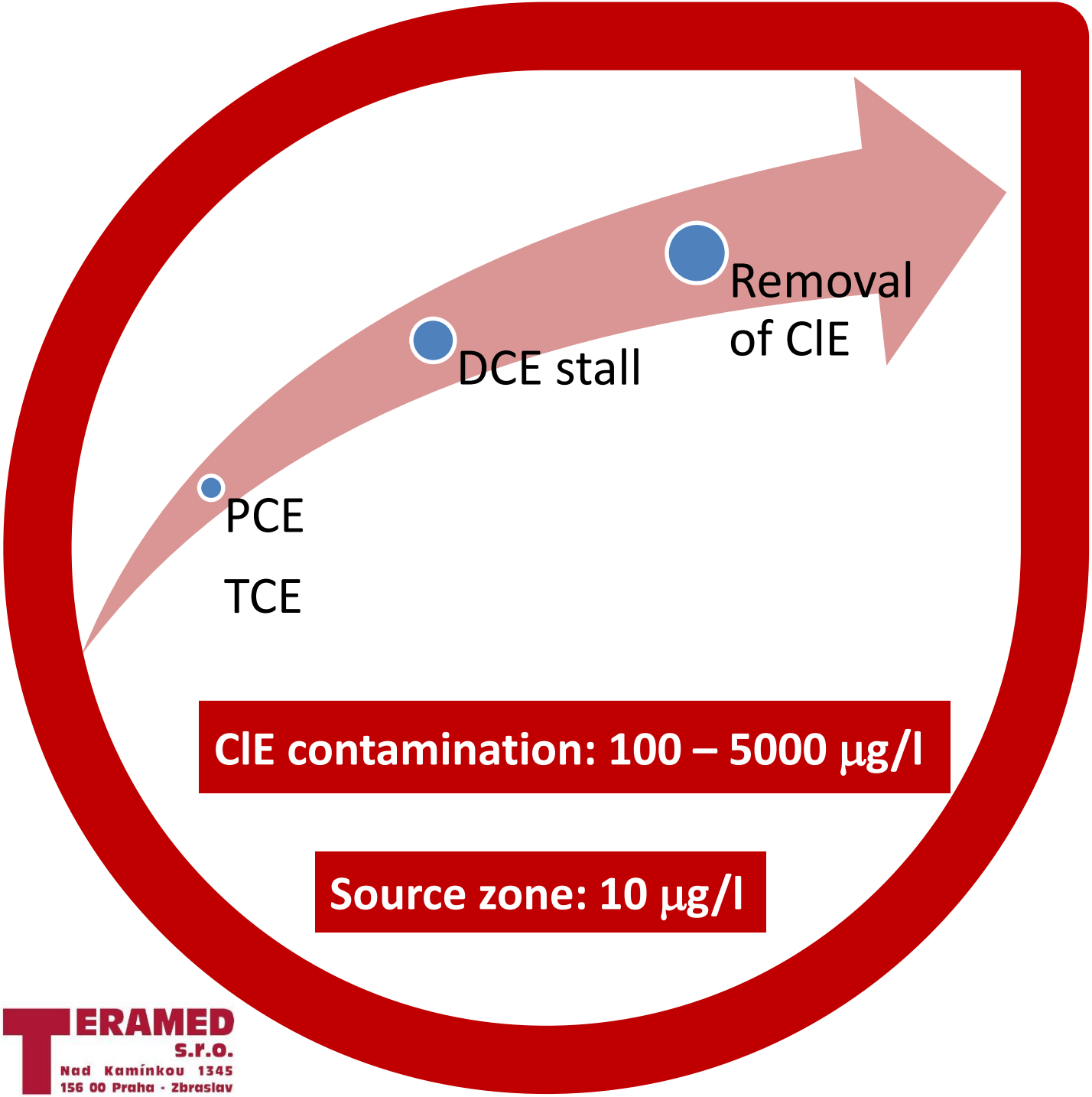
KOLÍN





ClE contamination: 100 – 5000 µg/l

Source zone: 10 µg/l

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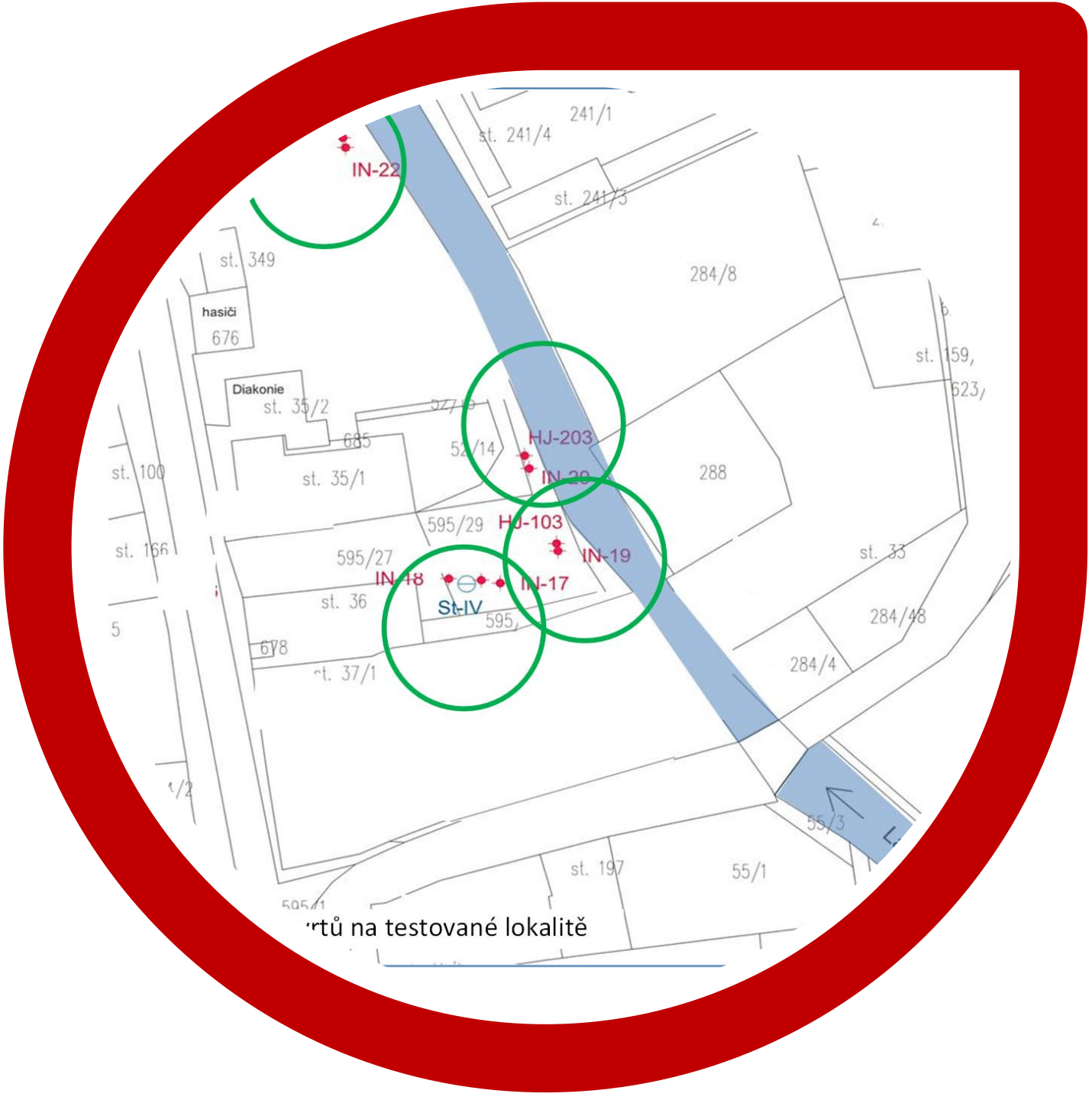

rtů na testované lokalitě

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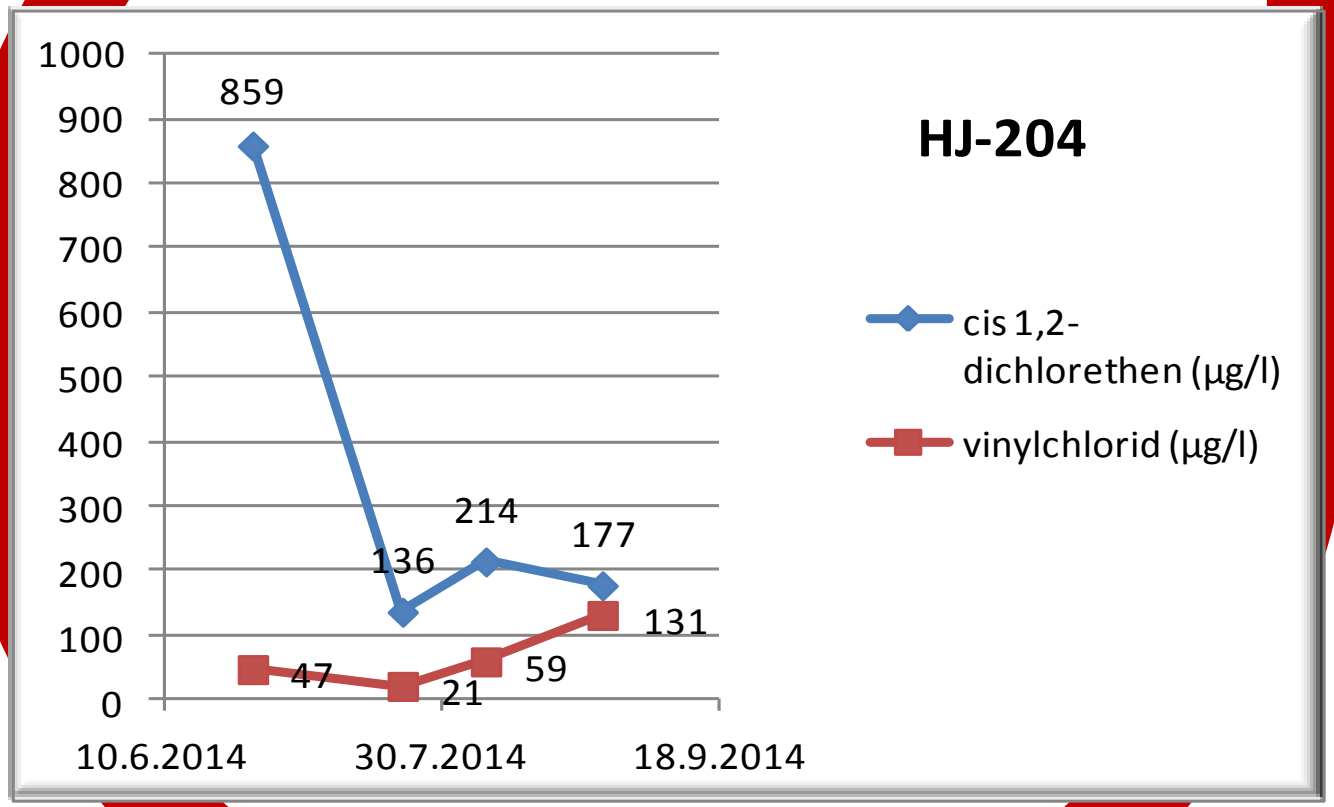
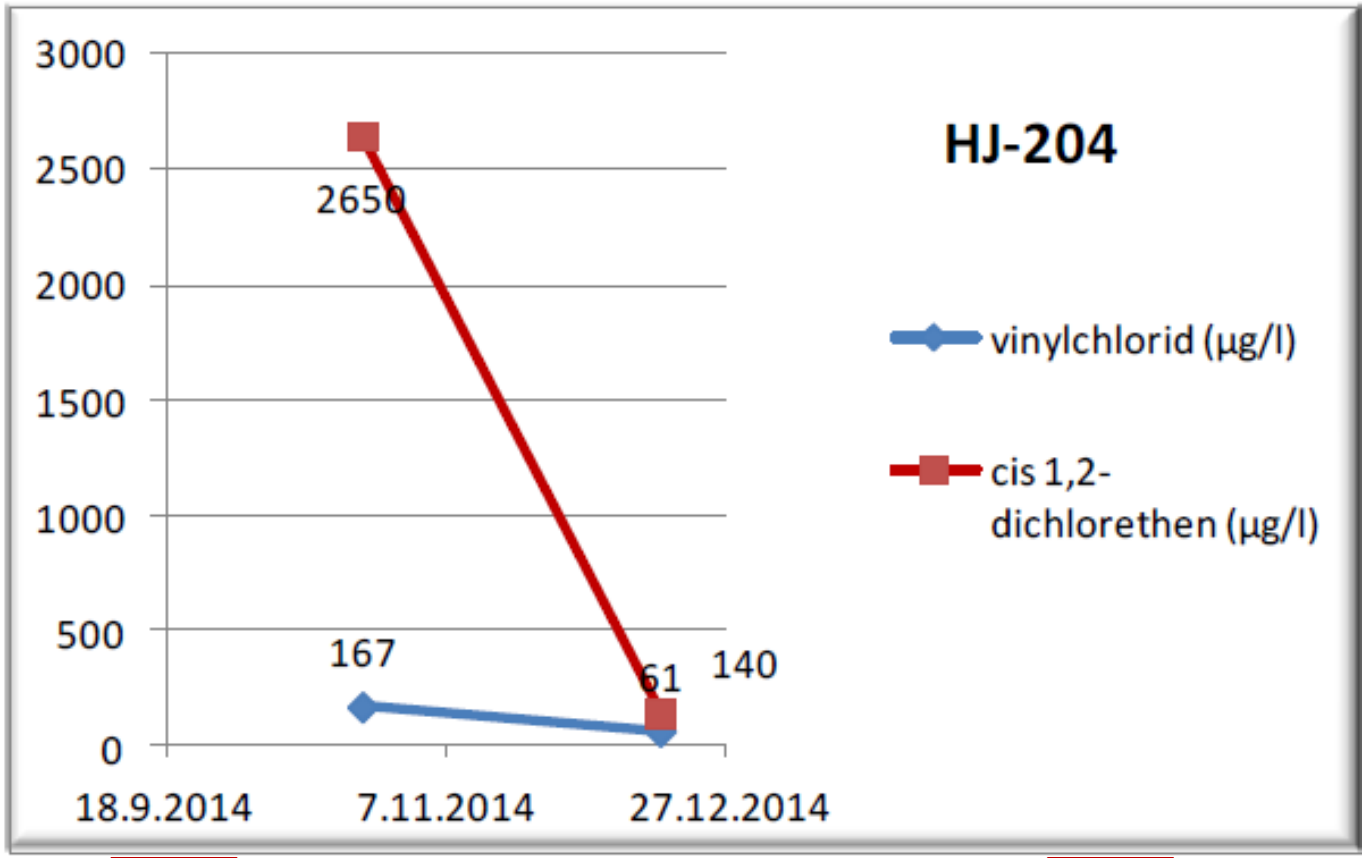
Pilot test: 1.phase
June – August 2014

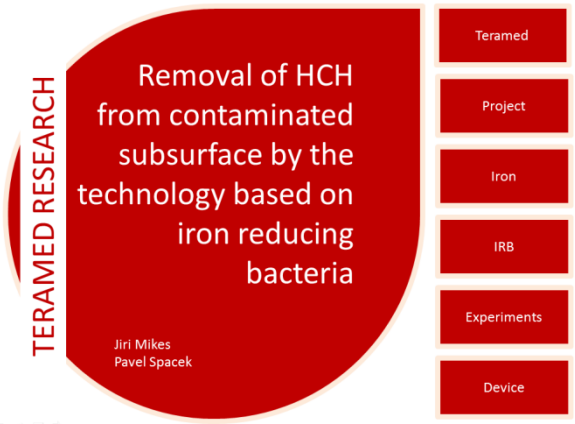


Pilot test: 2.phase
October – December 2014



Biodegradation of organic pollutants by IRB

Pollutant	Original concentration (mg/L)	Removal (%)
DCE	10 000	85
TCE	10 000	73
HCH	850	89



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UŽITNÝ VZOR

(11) Číslo dokumentu:

28 242

(13) Druh dokumentu: **U1**

(51) Int. Cl.:

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B09C 1/08	(2006.01)
B09C 1/10	(2006.01)

(19) ČESKÁ REPUBLIKA

ÚŘAD PRŮMYSLOVÉHO VLASTNICTVÍ

(21) Číslo přihlášky: **2014-30038**
(22) Přihlášeno: **01.10.2014**
(47) Zapsáno: **25.05.2015**

(73) Majitel:
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RNDr. Tomáš Heřt, Praha 5, CZ
Ing. Pavla Hudáková, Praha 9, CZ

(54) Název užitného vzoru:
Zařízení pro přípravu částic oxidů železa kolonizovaných železo redukujícími bakteriemi

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Thank you for your attention

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