

NVOS-10: Visualization of Text

User Story NVOS-10: Visualization of Text

Name: [Sheila Alemany](#)

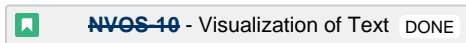
Team Member(s): [Carlos A Bravo Marin](#) [Deya Banisakher](#) [Maria E. Presa Reyes](#)

Project: Spring 2019 EnvoScholar v2.0

Product Owner(s): [Mark Finlayson](#)

Mentor(s): [Masoud Sadjadi](#)

Instructor: [Masoud Sadjadi](#)



Description

As a user, I would like a visualization of text which highlights the sentences in which a selected concept is located in the abstract description of the selected article.

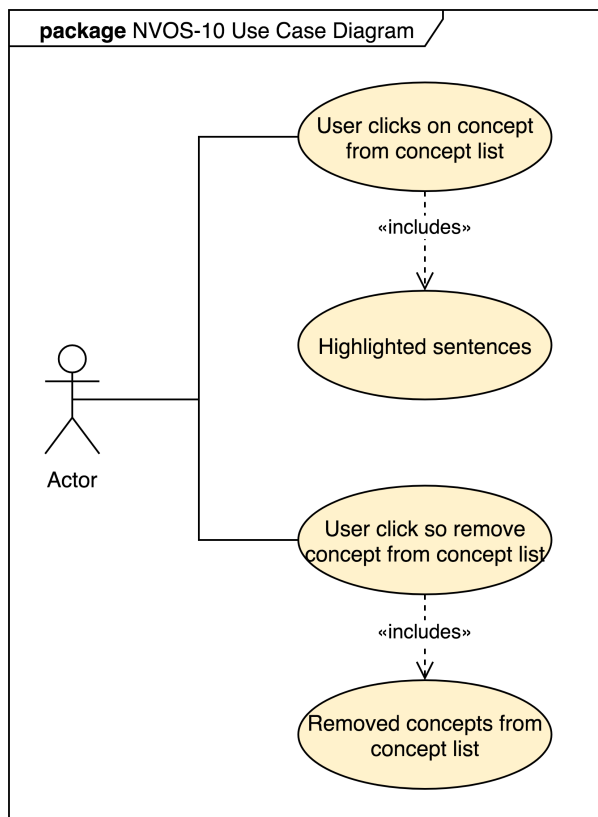
Acceptance Criteria

- The user should be able to select a concept and see the highlighted sentences which contain that concept.

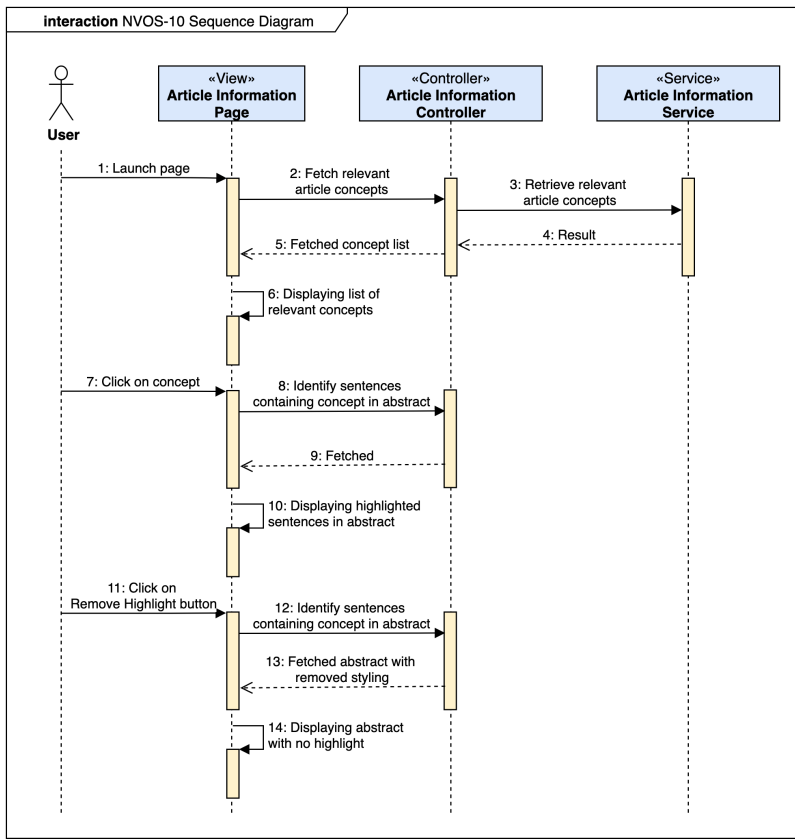
Use Case

- Name: NVOS-10
- Actor: User
- Preconditions: Application must be on accessible from a web browser.
- Description <Flow of events>:
 - User should see a list of concepts relevant to the semantic meaning of the article.
 - User should be able to click on any of the concepts listed and see the sentences which contains that concept highlighted.

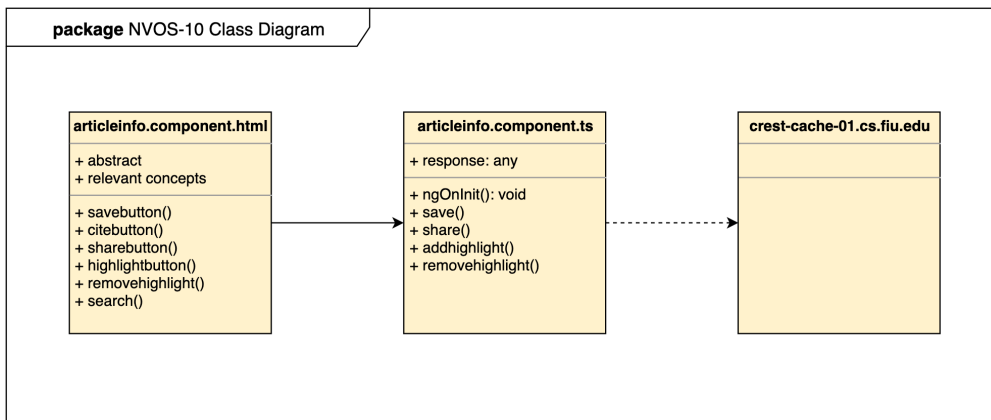
Use Case Diagram



Sequence Diagram



Class Diagram



Unit Test

- Test case ID: NVOS-10-T01
- Description/Summary of Test:
 - User has selected a concept relevant to the article selected.
 - User has seen all the sentences in the abstract that contain those concepts clearly highlighted.
 - User has removed all highlight once they no longer wish to view the highlighted sentences.
- Pre-condition: User is on the Article Information page.
- Expected Results: User should be able to clearly see all the sentences in the abstract where the concept is located.
- Actual Result: The expected results are equal to the actual result.
- Status (Fail/Pass): Pass.

Integration Test

- Test case ID: NVOS-10-T02
- Description/Summary of Test: All the possible sentences are highlighted entirely upon selection of a concept.
- Pre-condition: All the relevant concepts are properly displayed on the Article Information page.
- Expected Results: The sentences in the abstract are highlighted upon selection of a concept.
- Actual Result: The Article Information page follows the expected behavior.
- Status (Fail/Pass): Pass.

Visual User Guide

EnvoScholar v2.0

OntologyAccount

Is there evidence for man-made nanoparticles in the Dutch environment?

Patrick S. Båverfält · Erik Enke · Peter Trump · Jan A.M.H. Holman · Andrea Carboni · Ferry Schoonman · Pin de Vooij · Annetta P. van Wezel · 2017-01-15

Only very limited information is available on measured environmental concentrations of nanoparticles. In this study, several environmental compartments in The Netherlands were probed for the presence of nanoparticles. Different types of water were screened for the presence of inorganic (Ag, Au, TiO2) and organic nanoparticles (C60, C70, [6,6]-phenyl-C61-butyric acid octyl ester, [6,6]-phenyl-C61-butyric acid butyl ester, [6,6]-phenyl-C61-butyric acid methyl ester, [6,6]-bis-phenyl-C61-butyric acid methyl ester, [6,6]-phenyl-C71-butyric acid methyl ester, [6,6]-thienyl-C61-butyric acid methyl ester). Air samples were analysed for the presence of nanoparticulate Mo, Ag, Ce, W, Pd, Pt, Rh, Zn, Ti, Si, B as well as Fe and Cu. ICP-MS, Orbitrap-HRMS, SEM and EDX were used for this survey. Water samples included dune and bank filtrates, surface waters and ground waters as well as influents, effluents and sludge of sewage treatment plants (STPs), and surface waters collected near airports and harbours. Air samples included both urban and rural samples. C60 was detected in air, sewage treatment plants, influents, effluents and sludge, but in no other aqueous samples despite the low detection limit of 0.1 ng/L. C70 and functionalised fullerenes were not detected at all. In STP sludge and influent the occurrence of Ag and Au nanoparticles was verified by SEM/EDX and ICP-MS. In air up to about 25m% of certain metals was found in the nanosize fraction.

View PDF

99 Cite

Save

4 Share

Citations

Lorem ipsum dolor sit amet consectetur adipiscing elit.

2000. Lorem ipsum dolor sit amet consectetur

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit molestias consequuntur explicabo blanditis expedita, ipsa corporis temporibus officis placeat, eorum pariatur similique!

Lorem ipsum dolor sit amet consectetur adipiscing elit.

2000. Lorem ipsum dolor sit amet consectetur

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit molestias consequuntur explicabo blanditis expedita, ipsa corporis temporibus officis placeat, eorum pariatur similique!

Lorem ipsum dolor sit amet consectetur adipiscing elit.

2000. Lorem ipsum dolor sit amet consectetur

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit molestias consequuntur explicabo blanditis expedita, ipsa corporis temporibus officis placeat, eorum pariatur similique!

Lorem ipsum dolor sit amet consectetur adipiscing elit.

2000. Lorem ipsum dolor sit amet consectetur

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit molestias consequuntur explicabo blanditis expedita, ipsa corporis temporibus officis placeat, eorum pariatur similique!

Concepts

- air
- inorganic
- fullerenes
- field survey
- water
- nanoparticles
- Remove Highlight

Search

Search Peer Reviewed Articles

Search

EnvoScholar v2.0

OntologyAccount

Is there evidence for man-made nanoparticles in the Dutch environment?

Patrick S. Båverfält · Erik Enke · Peter Trump · Jan A.M.H. Holman · Andrea Carboni · Ferry Schoonman · Pin de Vooij · Annetta P. van Wezel · 2017-01-15

Only very limited information is available on measured environmental concentrations of nanoparticles. In this study, several environmental compartments in The Netherlands were probed for the presence of nanoparticles. Different types of water were screened for the presence of inorganic (Ag, Au, TiO2) and organic nanoparticles (C60, C70, [6,6]-phenyl-C61-butyric acid octyl ester, [6,6]-phenyl-C61-butyric acid butyl ester, [6,6]-phenyl-C61-butyric acid methyl ester, [6,6]-bis-phenyl-C61-butyric acid methyl ester, [6,6]-phenyl-C71-butyric acid methyl ester, [6,6]-thienyl-C61-butyric acid methyl ester). Air samples were analysed for the presence of nanoparticulate Mo, Ag, Ce, W, Pd, Pt, Rh, Zn, Ti, Si, B as well as Fe and Cu. ICP-MS, Orbitrap-HRMS, SEM and EDX were used for this survey. Water samples included dune and bank filtrates, surface waters and ground waters as well as influents, effluents and sludge of sewage treatment plants (STPs), and surface waters collected near airports and harbours. Air samples included both urban and rural samples. C60 was detected in air, sewage treatment plants, influents, effluents and sludge, but in no other aqueous samples despite the low detection limit of 0.1 ng/L. C70 and functionalised fullerenes were not detected at all. In STP sludge and influent the occurrence of Ag and Au nanoparticles was verified by SEM/EDX and ICP-MS. In air up to about 25m% of certain metals was found in the nanosize fraction.

View PDF

99 Cite

Save

4 Share

Citations

Lorem ipsum dolor sit amet consectetur adipiscing elit.

2000. Lorem ipsum dolor sit amet consectetur

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit molestias consequuntur explicabo blanditis expedita, ipsa corporis temporibus officis placeat, eorum pariatur similique!

Lorem ipsum dolor sit amet consectetur adipiscing elit.

2000. Lorem ipsum dolor sit amet consectetur

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit molestias consequuntur explicabo blanditis expedita, ipsa corporis temporibus officis placeat, eorum pariatur similique!

Lorem ipsum dolor sit amet consectetur adipiscing elit.

2000. Lorem ipsum dolor sit amet consectetur

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit molestias consequuntur explicabo blanditis expedita, ipsa corporis temporibus officis placeat, eorum pariatur similique!

Lorem ipsum dolor sit amet consectetur adipiscing elit.

2000. Lorem ipsum dolor sit amet consectetur

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit molestias consequuntur explicabo blanditis expedita, ipsa corporis temporibus officis placeat, eorum pariatur similique!

Concepts

air

inorganic

fullerenes

field survey

water

nanoparticles

Remove Highlight

Search

Search Peer Reviewed Articles

Search

journal.pre-proof

Lorem ipsum dolor sit amet consectetur adipiscing elit. Laboriosam cumque incidunt dolore quae aperiam iusto facere sit