Cartographie de l'information

Rendu du Travail de Session

Réalisé par Atir Youssef (N°62)

1. Communauté des auteurs et de leurs institutions

a. Nettoyage des données

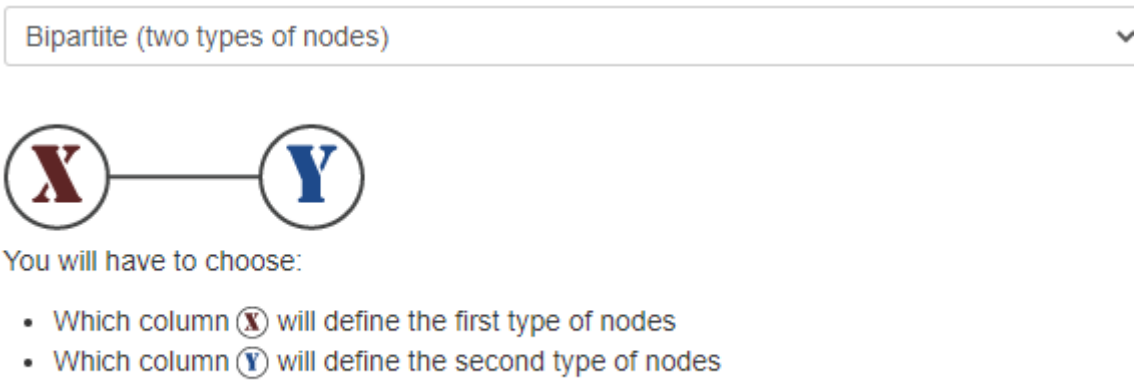
Le nettoyage des données effectué est le même déjà effectué dans le cadre des exercices précédents dans le même élément de module, Le guide de nettoyage déjà élaboré dans ce cadre est en annexe à ce rendu.

Un échantillon des données est le suivant :

Row number	id	Auteur	Institution
1	0.0	El-Ghzizel Soufian	Ibn Tofail Univ
2	0.0	Zeggar Hajar	Ibn Tofail Univ
3	0.0	Tahaikt Mustapha	Ibn Tofail Univ
4	0.0	Tiyal Fathallah	Ibn Tofail Univ
5	0.0	Elmidaoui Azzedine	Ibn Tofail Univ
6	0.0	Taky Mohamed	Ibn Tofail Univ
7	1.0	Kouzbour Sanaa	Hassan II Univ Casablanca

b. Génération du graphe dans Table 2 Net

Type du graphe



Nœuds du graphe : 1er et 2ème Type de Nœuds

Which column defines the *first type* of nodes?

Institution

One expression per cell

Sample of nodes extracted with these settings: (sample)

univ castilla la mancha | univ hassan 1 | univ cadi ayyad | univ carthage | univ mohamed v agdal

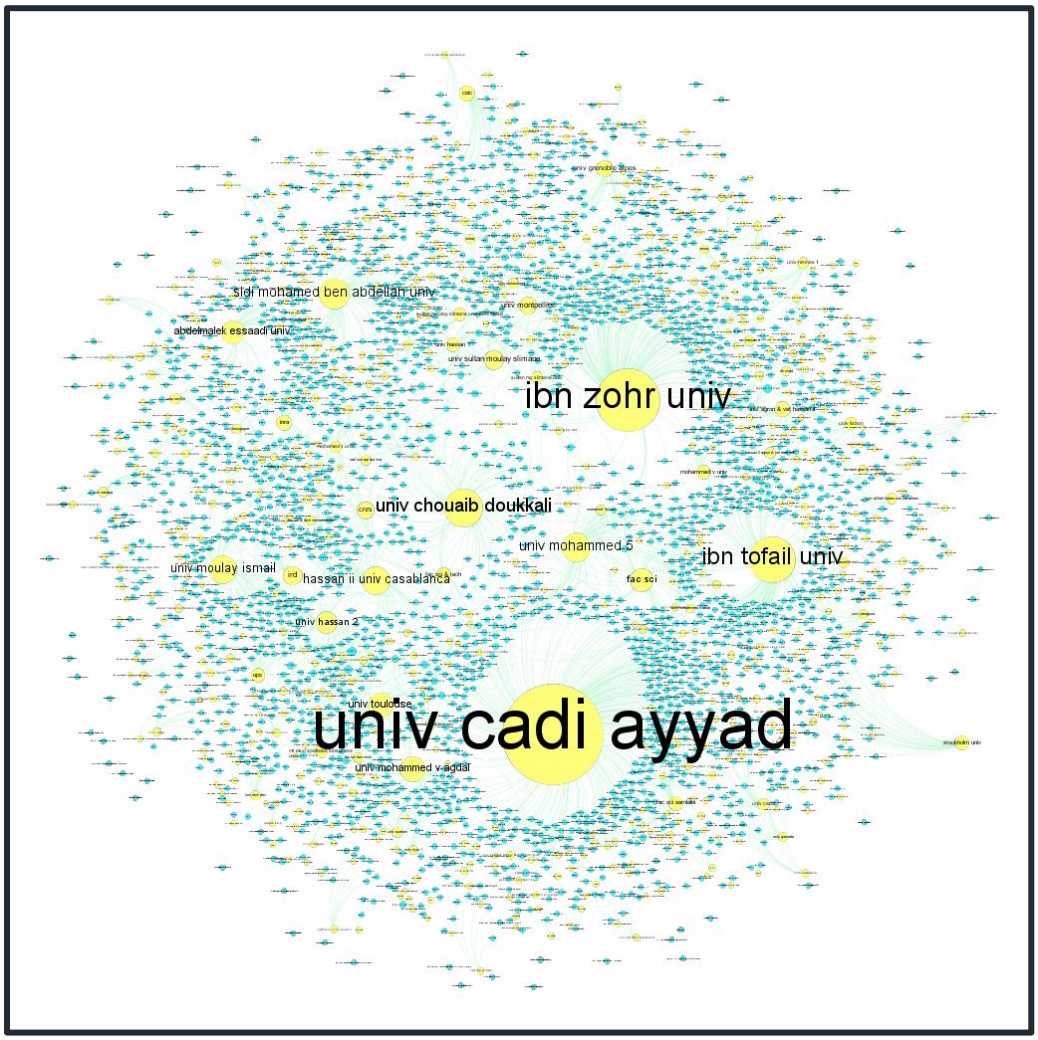
Auteur

One expression per cell

Sample of nodes extracted with these settings: (sample)

el hajjaji samir | candela lucila | paredes paula | zazou hicham | mahe gil

Carte Résultante



2. Évolution de la production scientifique dans le domaine de l'eau par année

a. Données

OpenRefine WOS Water MA Total xls Permalink

Open... Export Help

Facet / Filter | Undo / Redo 6 / 6

Using facets and filters

Use facets and filters to select subsets of your data to act on. Choose facet and filter methods from the menus at the top of each data column.

Not sure how to get started?
Watch these screencasts

757 rows

Extensions: Wikidata

Show as: rows records Show: 5 10 25 50 rows

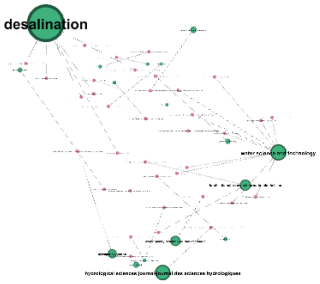
« first ‹ previous 1 - 50 next › last »

Article Title	Source Title	Publication Year
NANOFILTRATION PROCESS COMBINED WITH ELECTROCHEMICAL DISINFECTION FOR DRINKING WATER PRODUCTION: FEASIBILITY STUDY AND OPTIMIZATION	JOURNAL OF WATER PROCESS ENGINEERING	2020
CFD SIMULATION AND ANALYSIS OF REACTIVE FLOW FOR DISSOLVED MANGANESE REMOVAL FROM DRINKING WATER BY AERATION PROCESS USING AN AIRLIFT REACTOR	JOURNAL OF WATER PROCESS ENGINEERING	2020
USE OF BATHYMETRY AND CLAY MINERALOGY OF RESERVOIR SEDIMENT TO RECONSTRUCT THE RECENT CHANGES IN SEDIMENT YIELDS FROM A MOUNTAIN CATCHMENT IN THE WESTERN HIGH ATLAS REGION, MOROCCO	CATENA	2020
FACTORIAL DESIGN FOR OPTIMIZING AND MODELING THE REMOVAL OF ORGANIC POLLUTANTS FROM OLIVE MILL WASTEWATER USING A NOVEL LOW-COST BIOADSORBENT	WATER AIR AND SOIL POLLUTION	2020
RELATIONSHIP BETWEEN LANDSLIDE AND MORPHO-STRUCTURAL ANALYSIS: A CASE STUDY IN NORTHEAST OF MOROCCO	APPLIED WATER SCIENCE	2020
SPATIAL AND STATISTICAL ASSESSMENT OF NITRATE CONTAMINATION IN GROUNDWATER: CASE OF SAIS BASIN, MOROCCO	JOURNAL OF GROUNDWATER SCIENCE AND ENGINEERING	2020
RECOGNITION OF THE HYDROGEOLOGICAL POTENTIAL USING ELECTRICAL SOUNDING IN THE KHEMISSET-TIFLET REGION, MOROCCO	JOURNAL OF GROUNDWATER SCIENCE AND ENGINEERING	2020
ASSESSMENT OF GROUNDWATER VULNERABILITY TO POLLUTION AS PART OF INTEGRATED MANAGEMENT IN COASTAL ARE edit CASE OF GHISS-NEKKOUR BASIN (NORTH EAST OF MOROCCO)	HOUILLE BLANCHE-REVUE INTERNATIONALE DE L EAU	2020
THEORETICAL AND EXPERIMENTAL STUDY OF THE ADSORPTION CHARACTERISTICS OF METHYLENE BLUE ON TITANIUM DIOXIDE SURFACE USING DFT AND MONTE CARLO DYNAMIC SIMULATION	DESALINATION AND WATER TREATMENT	2020
DISTINCT AND COMBINED IMPACTS OF CLIMATE AND LAND USE SCENARIOS ON WATER AVAILABILITY AND SEDIMENT LOADS FOR A WATER SUPPLY RESERVOIR IN NORTHERN MOROCCO	INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH	2020
THE APPLICATION OF PROXIMAL VISIBLE AND NEAR-INFRARED SPECTROSCOPY TO ESTIMATE SOIL ORGANIC MATTER ON THE TRIFFA PLAIN OF MOROCCO	INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH	2020
ON SOLVING GROUNDWATER FLOW AND TRANSPORT MODELS WITH ALGEBRAIC MULTIGRID PRECONDITIONING	GROUND WATER	
SEDIMENT MOBILIZATION STUDY ON CRETACEOUS, TERTIARY AND QUATERNARY LITHOLOGICAL FORMATIONS OF AN EXTERNAL RIF CATCHMENT, MOROCCO	HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES	2020
SPATIAL ASSESSMENT OF SOIL EROSION RISK BY INTEGRATING REMOTE SENSING AND GIS TECHNIQUES: A CASE OF TENSIFT WATERSHED IN MOROCCO	ENVIRONMENTAL EARTH SCIENCES	2020

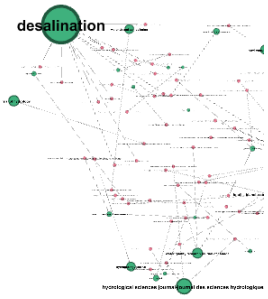
b. Carte

On présente dans les images suivantes l'évolution par ordre chronologique de la production scientifique dans le domaine de l'eau par année :

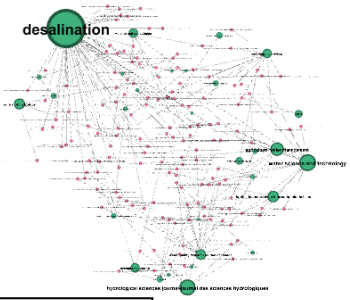
Jusqu'à 2000



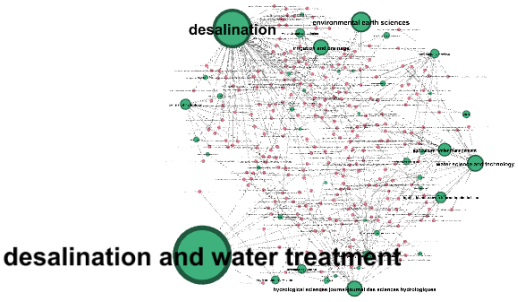
Jusqu'à 2003



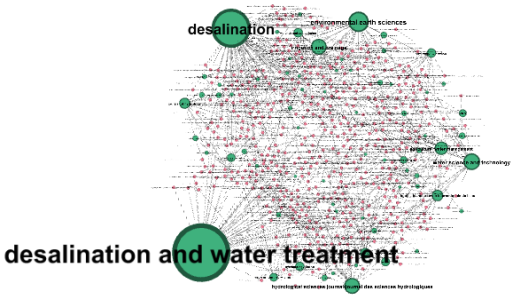
Jusqu'à 2006



Jusqu'à 2010



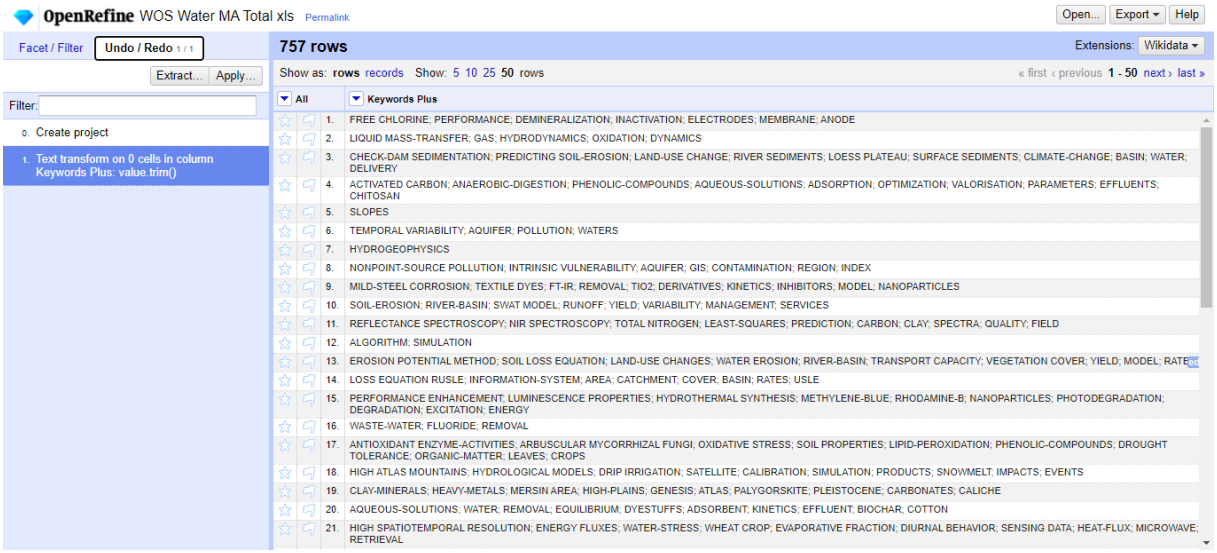
Jusqu'à 2020



3. Thématiques de recherche

a. Nettoyage des données

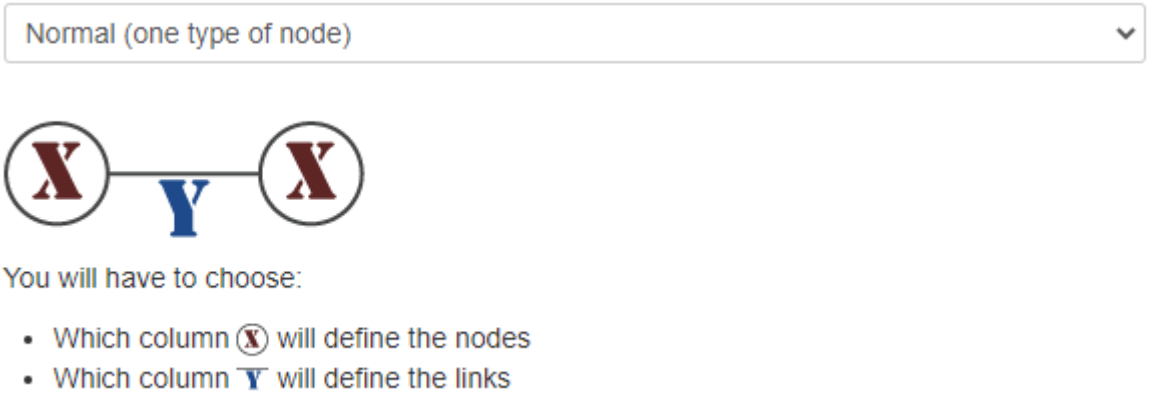
On sélectionne d'abord les colonnes concernées par les thématiques de recherche, principalement la colonne « Keyword Plus » :



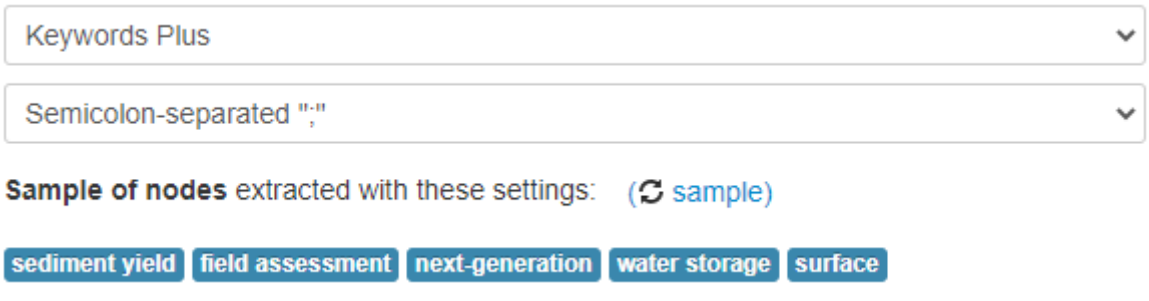
On enregistre le fichier en format csv et on le charge dans Table2net.

b. Génération du graphe dans Table 2 Net

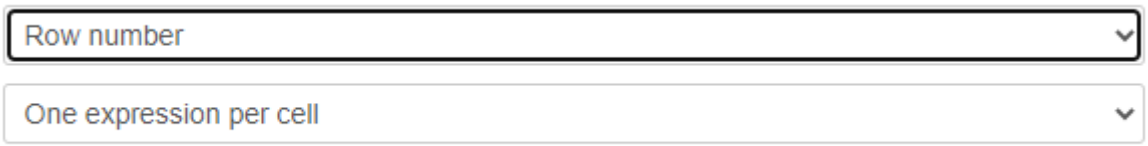
Type de Graphe



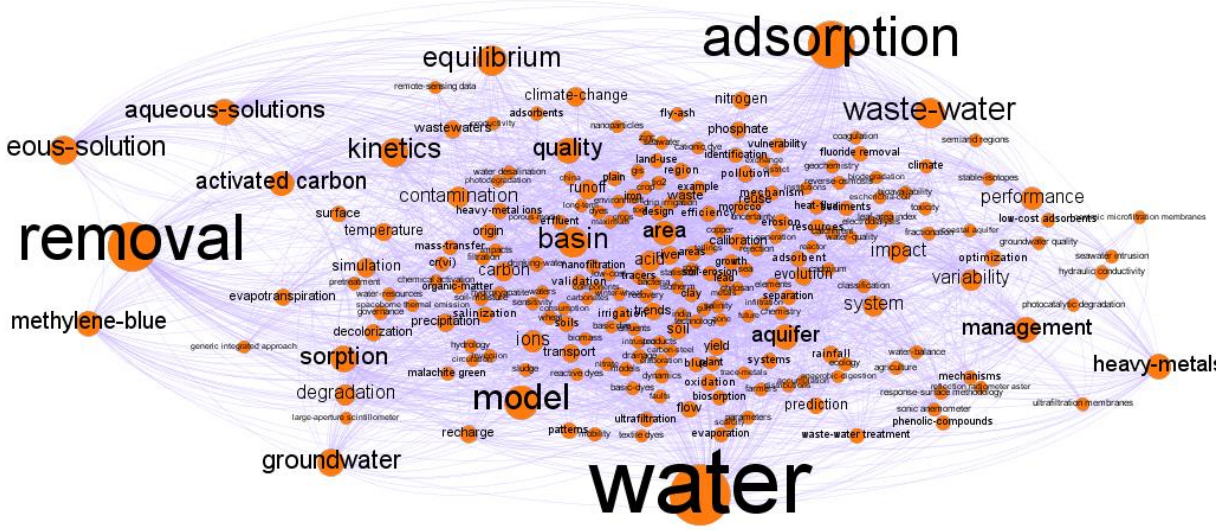
Nœuds avec le séparateur convenable (« ; »)



Liens Entre les nœuds c’est ce qui montre la notion de co-occurrence



Carte Résultante



Il est clair que les mots-clés Water, Removal, Absorption, Waste-Water sont les plus présents dans les articles de notre corpus.

4. Revues de publication et leur facteur d'impact