### **AI CHALLENGE**



#### DataScienceSeed

Coltiviamo competenze in Data Science con esperienze dirette basate su sfide e dati a chilometro zero





ΑI

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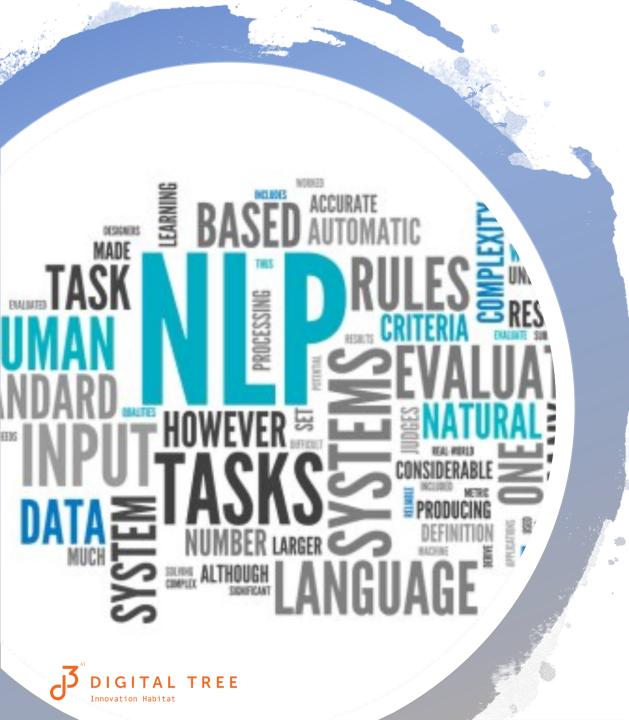
# CHALLENGE COME FROM



MAIA Team has been selected For The Web Marketing Festival Hackathon in Rimini.

After that we decided to propose it as a challenge to the DSS





# THE CHALLENGE

#### • The Data Set:

https://drive.google.com/drive/folders/1lij 4ZShxV5MVxgba-oLkUrYcJwKoNuHw

- The Data set consists of a set of RTF documents named in the format ID.rtf (for example: 1000.rtf)
- The Challenge consists of 3 task

# FIRST TASK

- The Teams must indicate for each document the main category to which it belongs
- The Possible categories:

68	1	Economy
	2	Regulation
	3	Enviroment
	4	Health related Issue
	5	Industry
	6	Cultures and customs

- The teams must provide a csv file containing the categorization performed for each document.
- Example csv file: each line → ID document, ID category (1000, 1)
  - (1001, 3)

Labelling

(1002, 6)



# SECOND TASK

- The Teams will have to group / relate / structure the documents analyzing the contents.
- As advice and starting point let us remember that the documents deal with recurring themes and focus on certain topics
- The visualization of the result obtaind in this task is part of the third and last task



# FINAL TASK

- The Teams will have create the prototype of a web or desktop application that:
  - displaying the relations and groups of documents.
  - Each relation/group of documents must be displayed by one or more keywords that clearly identify the relationship itself and the criteria used (for example, the topic).
  - For each relation/group it will be possible to see the documents that compose it (for convenience their ID and maybe the content)
  - Each Document can be part of more tha one relationship/group.
  - Have a prototype search tool by which the user can search in groups found by means of keywords or phrases

# LET'S TRY

# J<sup>AI</sup> DIGITAL TREE

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