

SCIENTIFIC
ARTICLE



VALID
PUBLICATION

“It must be the first disclosure and contain sufficient information so that the author's colleagues can:

1. Evaluate the observations made
2. Repeat the experiments
3. Evaluate intellectual processes

It should be available to the scientific community without restriction and available for periodic review”

CBE (Council of Biology Edition)

Structure of an original article

Title, authors, institutions and address, key words

Abstract

Introduction

Objective★

Methods

Results


Discussion

Conclusion and recommendations

Acknowledgements, conflict of interests and financing, bibliography

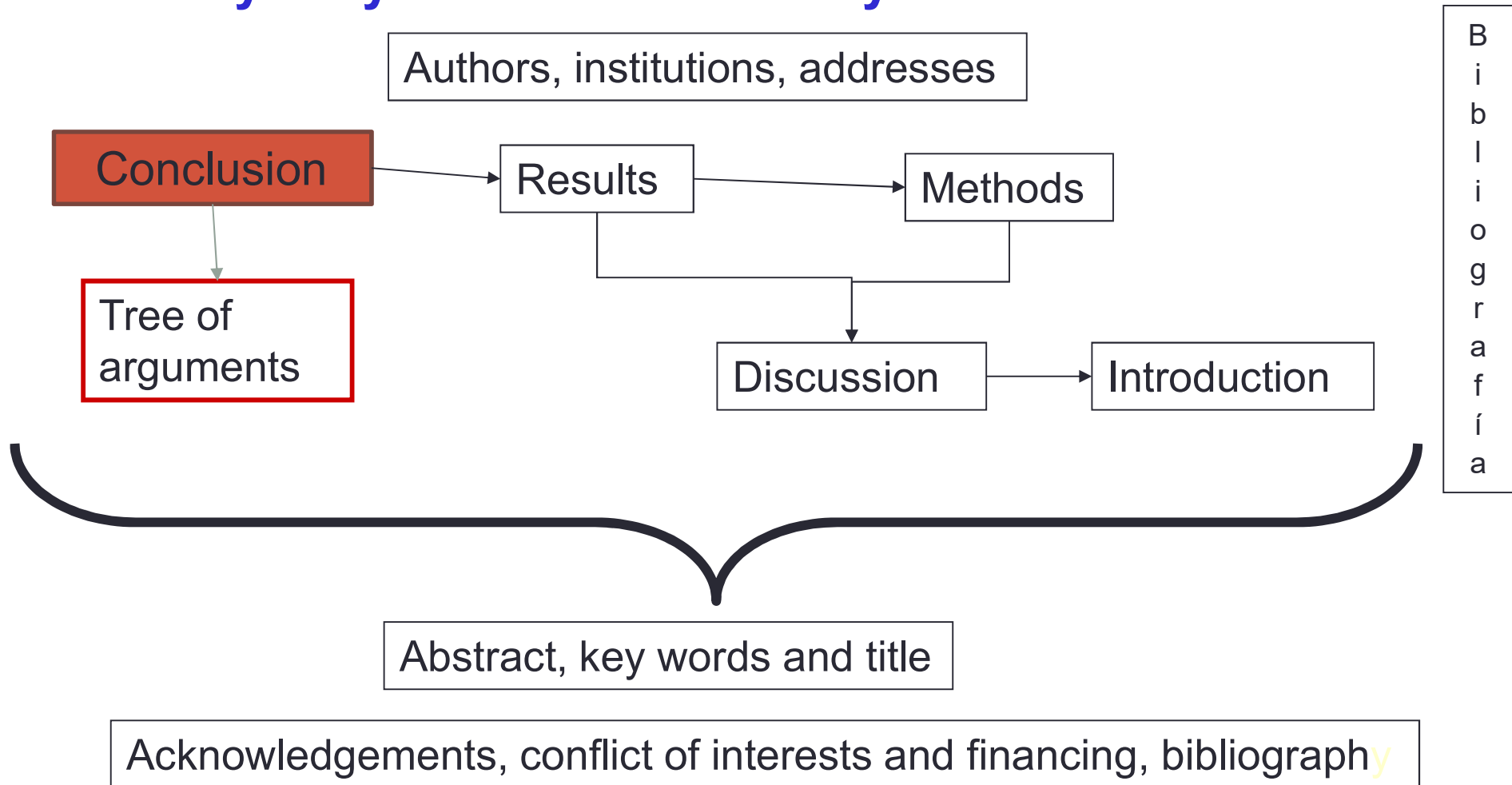


<u>Part</u>	<u>Answers</u>	<u>Goal</u>
Introduction	Why?	Motivate reader
Methods	How?	Enable replication
Results	What did you find out?	Share data
Discussion	Significance?	Suggest interpretation
Acknowledgments	Who helped?	Give thanks
References	Papers cited?	Give credit



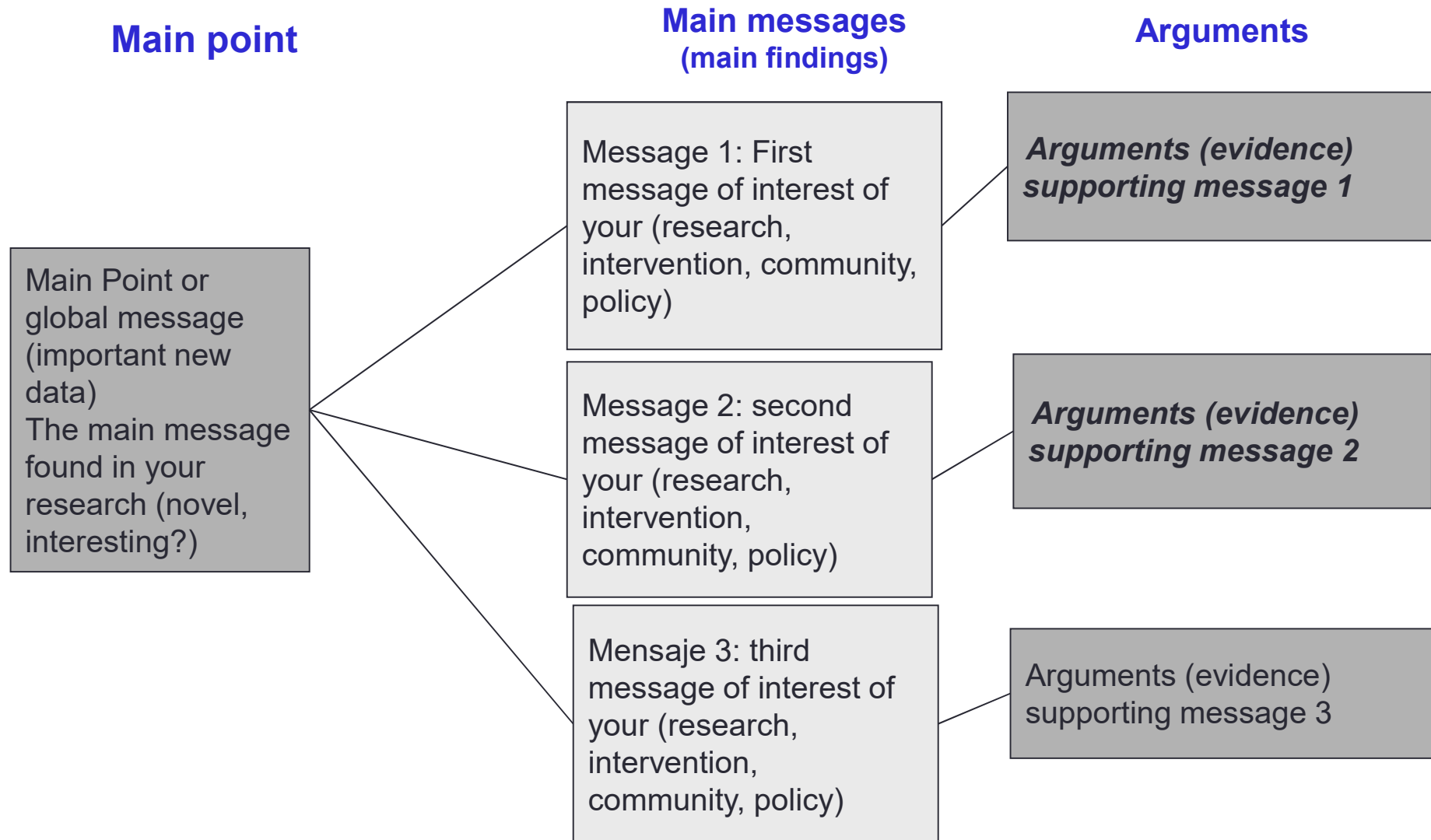
An original article is published in a linear structure, but should not be written through a linear process

When writing your article is assumed that you already analyzed your data and reach your conclusions



Construction of the tree of arguments: outline of the manuscript

(Story outlined in three parts)



Construction of the tree of arguments: outline of the manuscript

(Story outlined in three parts)

Main point

Main Point or global message (important new data)
The main message found in your research (novel, interesting?)

Main messages (main findings)

Message 1: First message of interest of your (research, intervention, community, policy)

Message 2: second message of interest of your (research, intervention, community, policy)

Message 3: third message of interest of your (research, intervention, community, policy)

Arguments

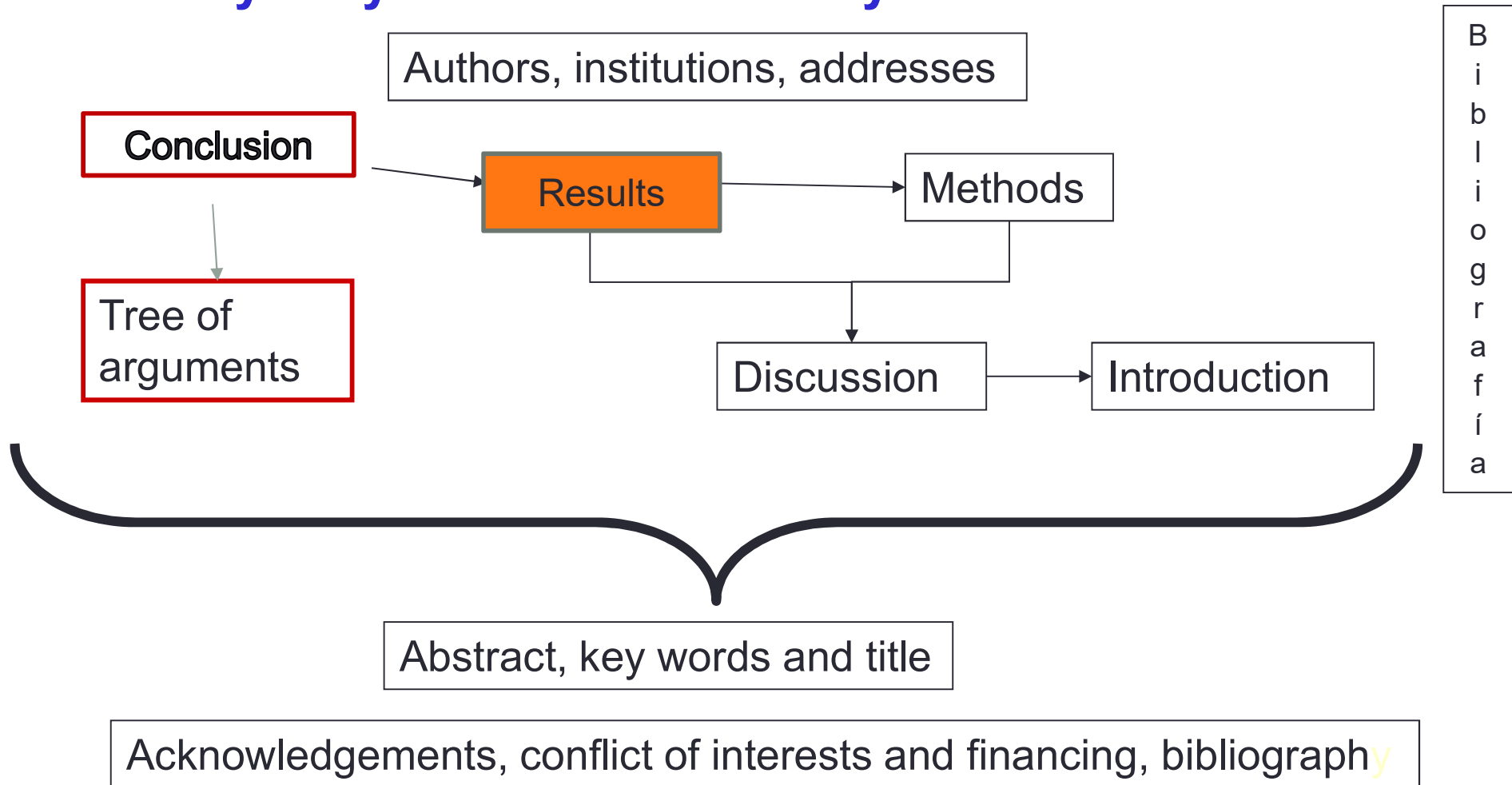
Arguments (evidence) supporting message 1

Arguments (evidence) supporting message 2

Arguments (evidence) supporting message 3

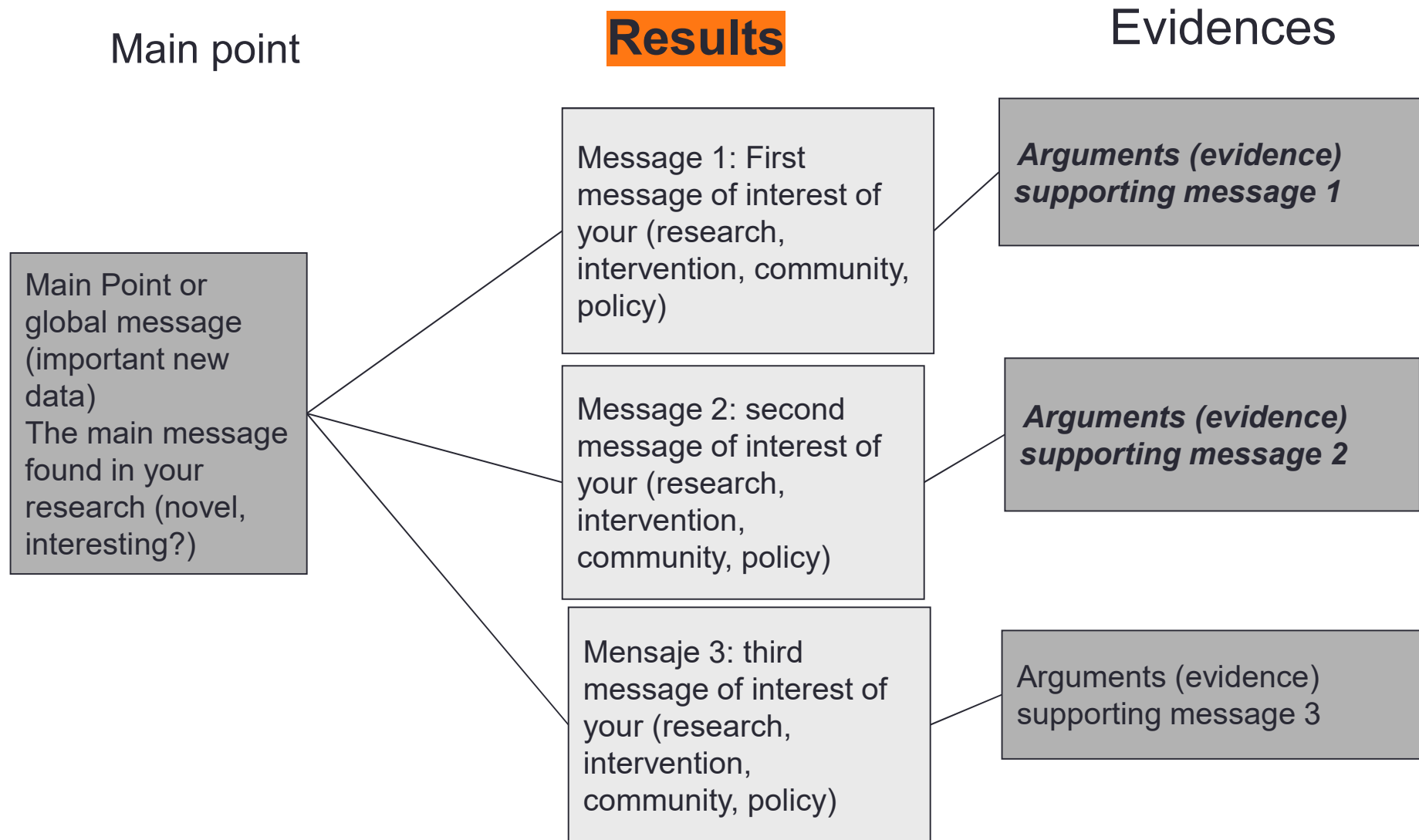
Are my arguments well Supported?

When writing your article is assumed that you already analyzed your data and reach your conclusions



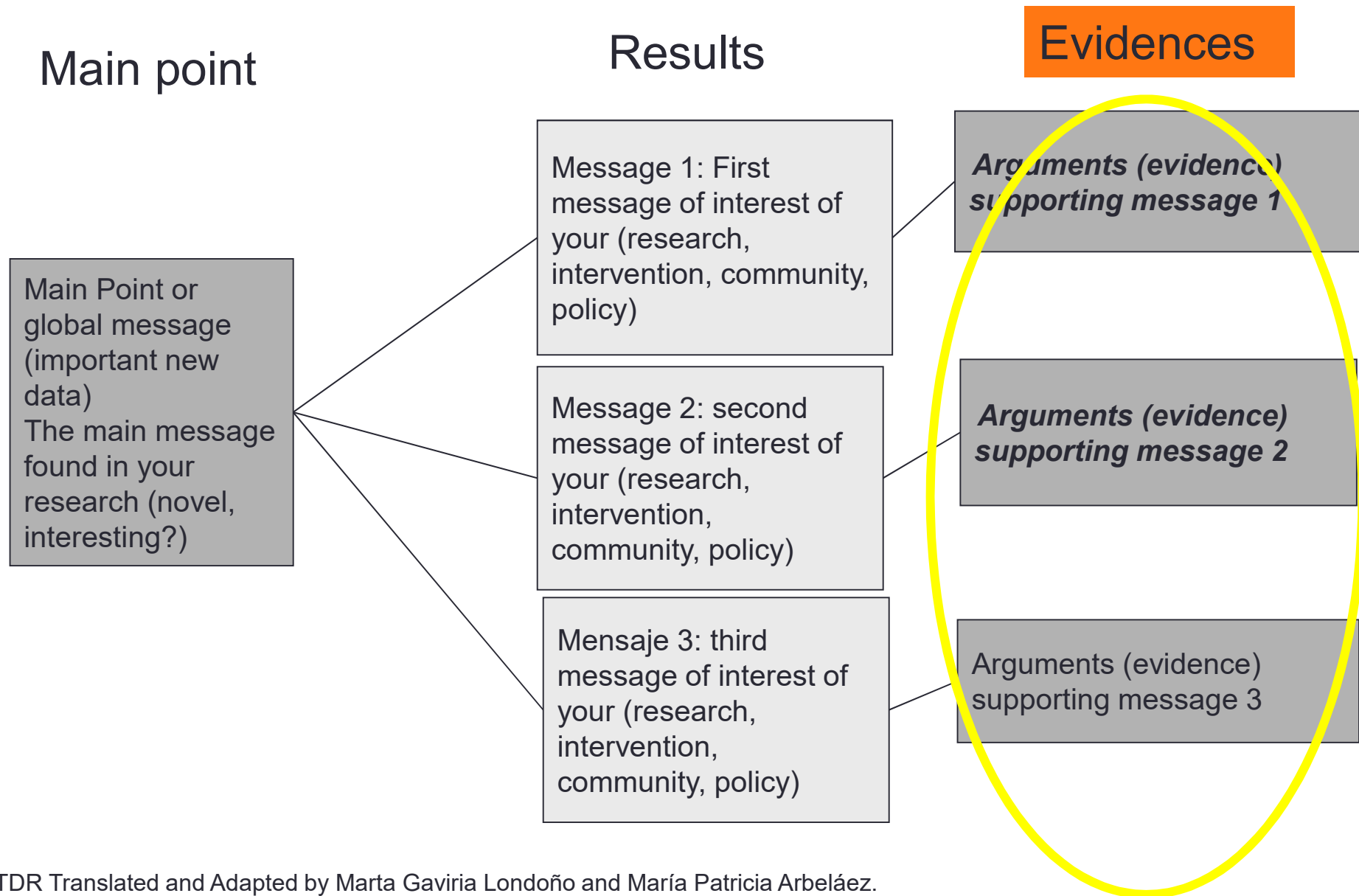
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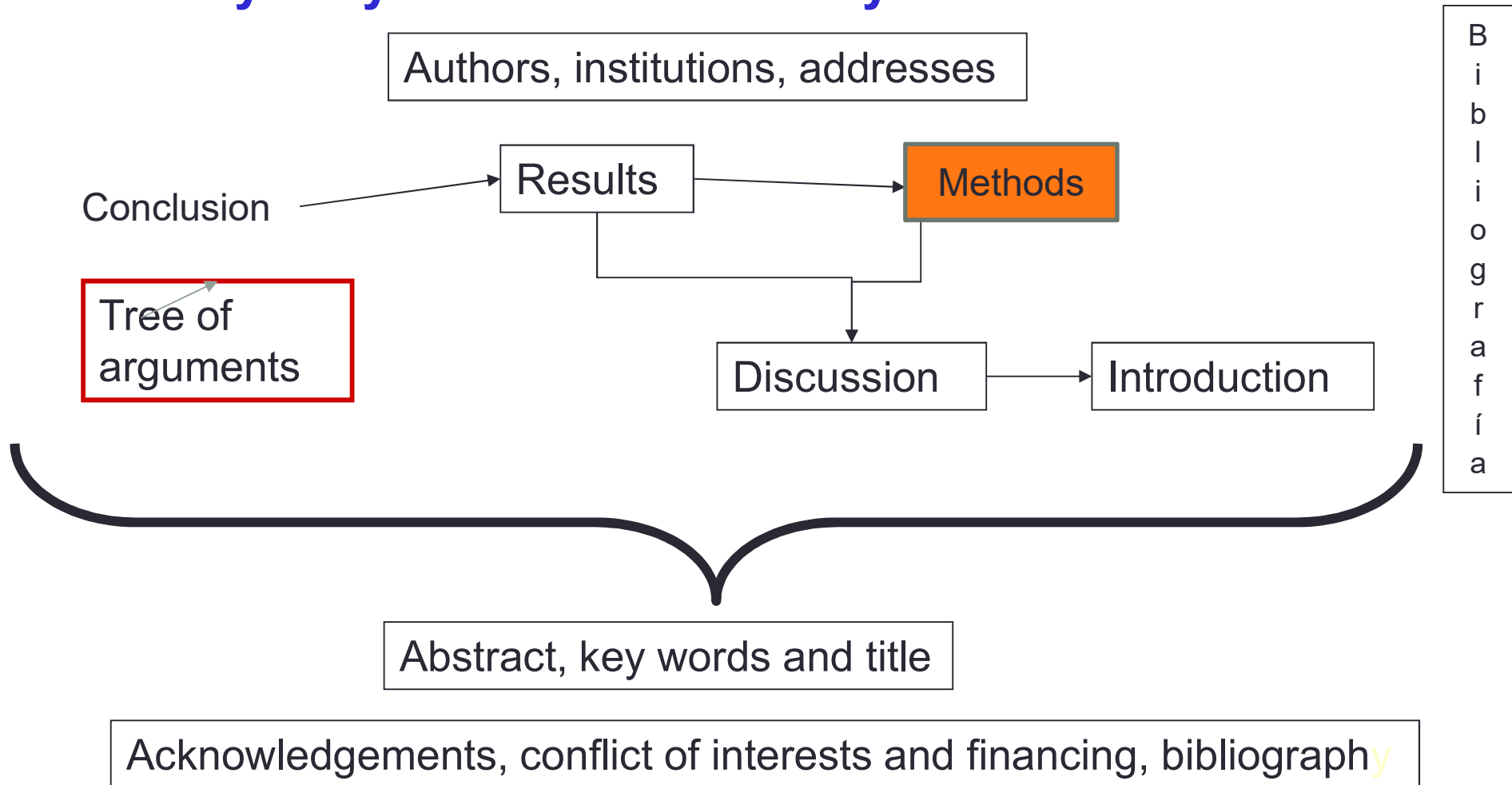


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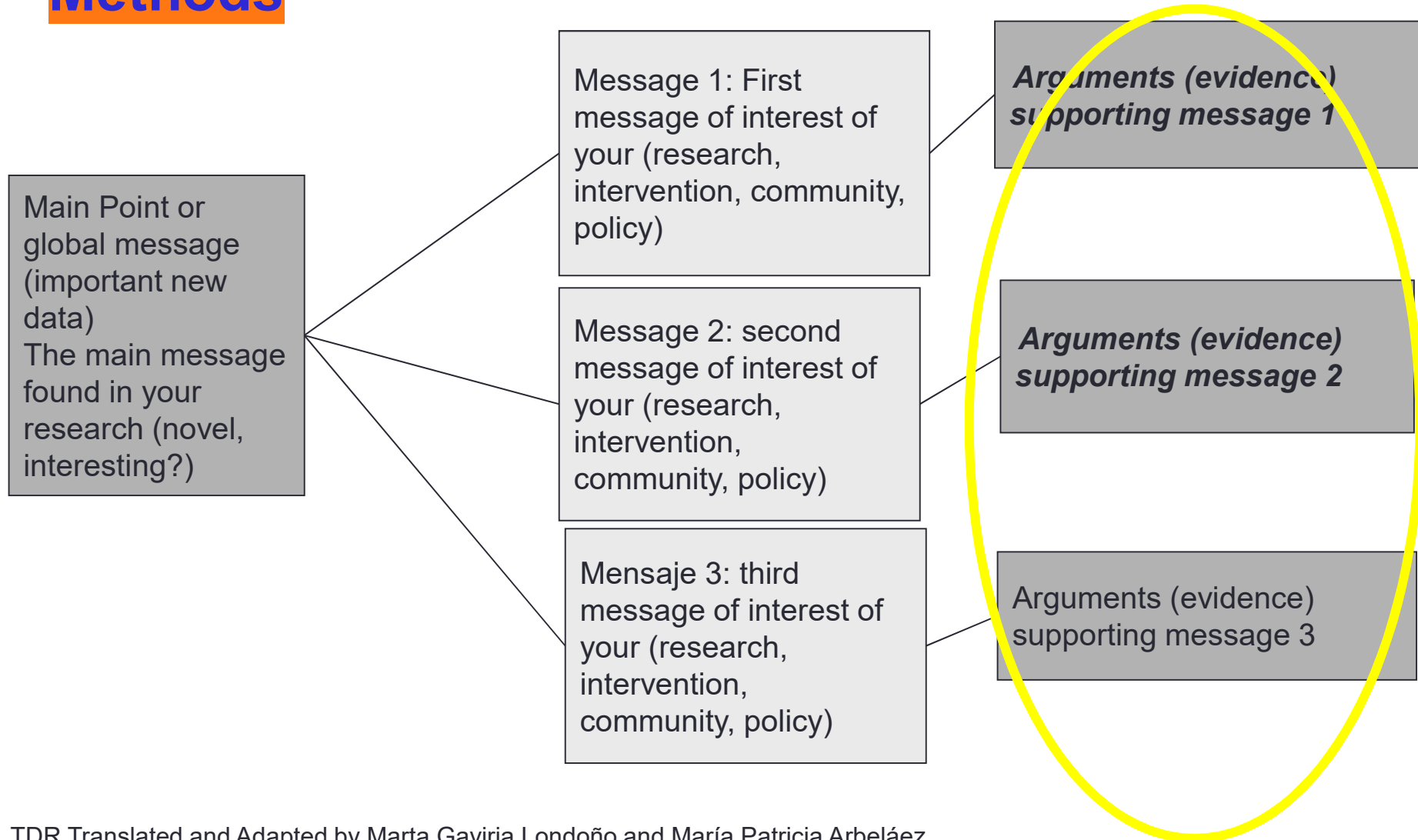
When writing your article is assumed that you already analyzed your data and reach your conclusions



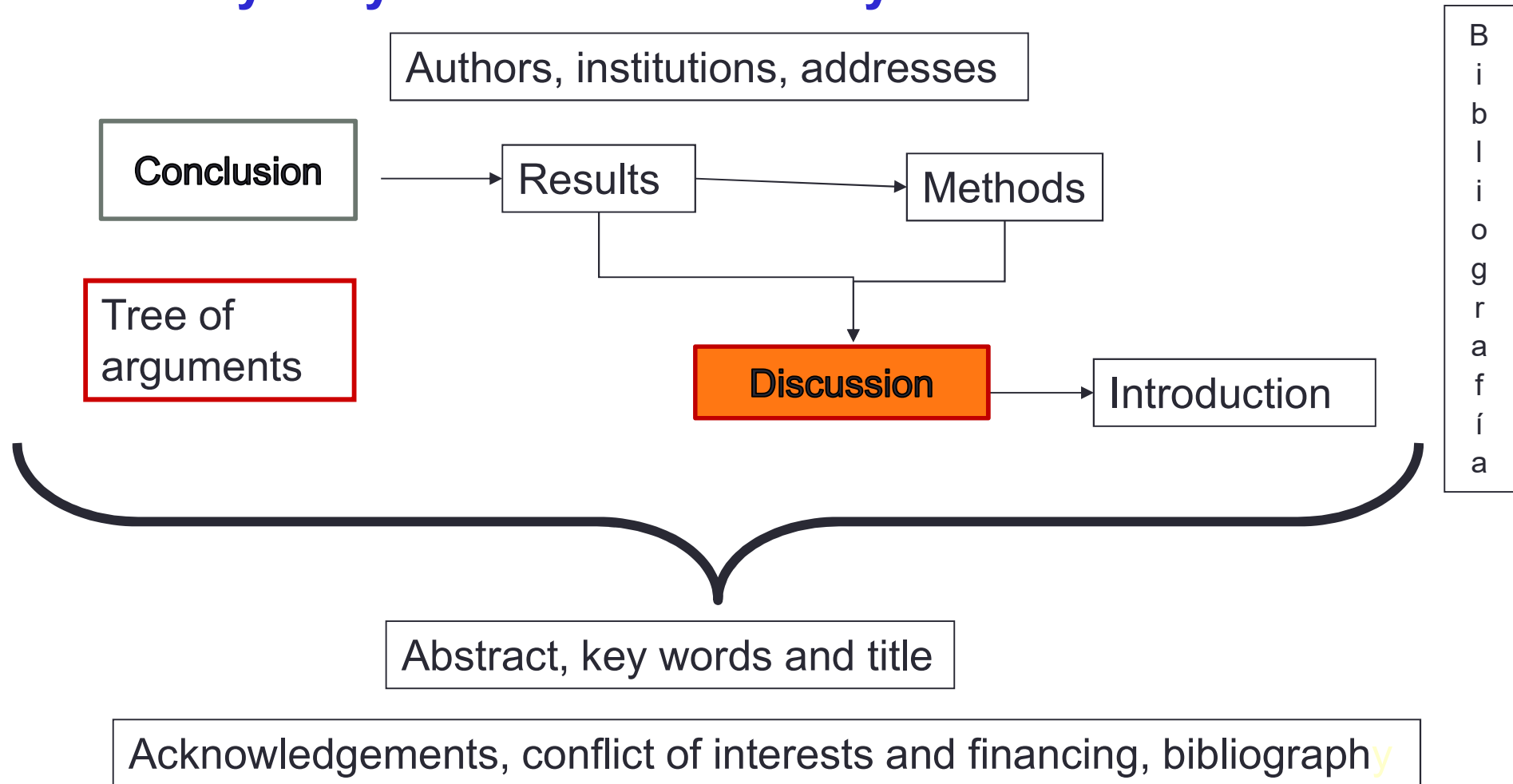
Methods

**DATA supported by my EVIDENCES
sufficient reliable?**

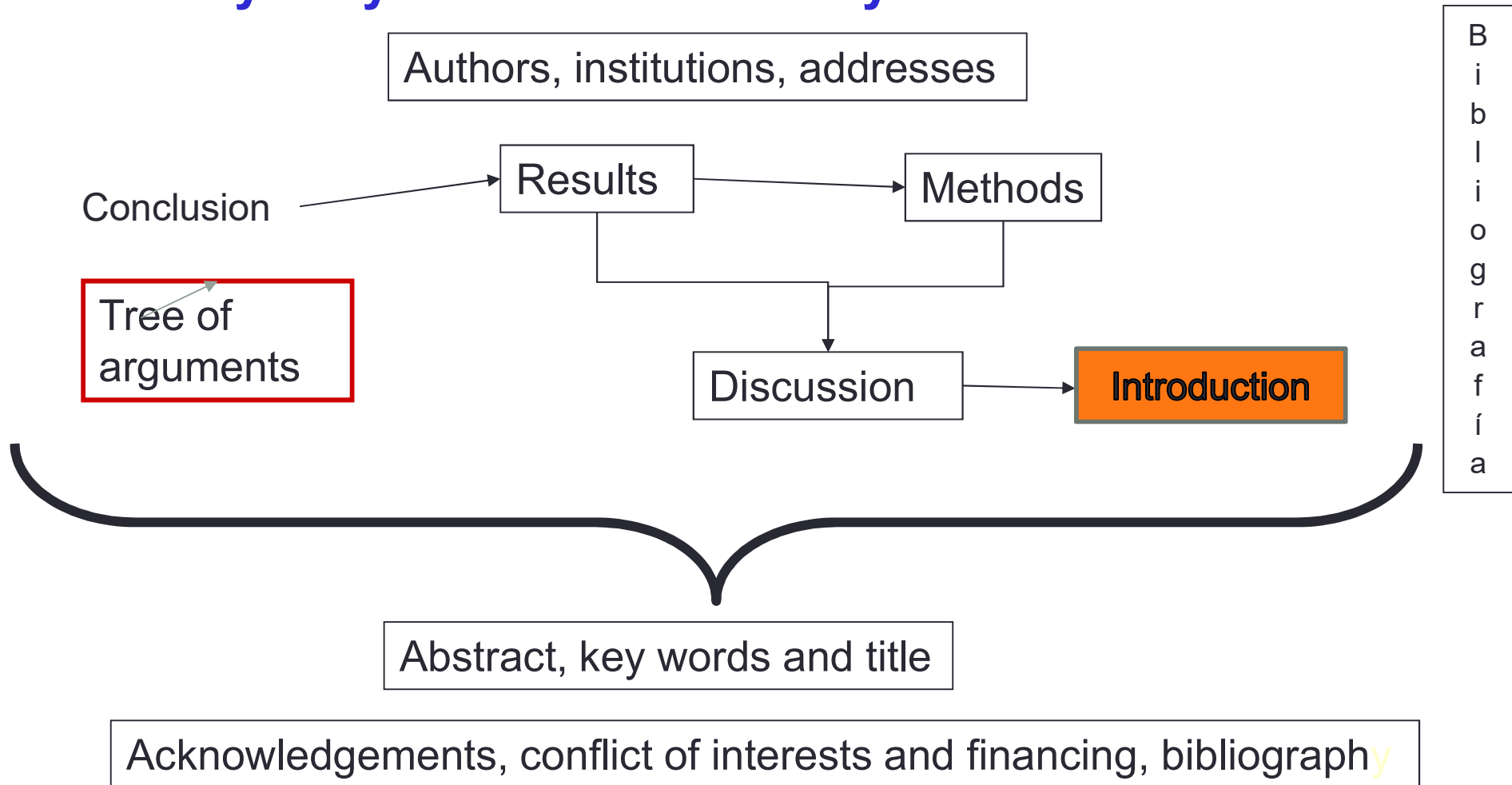
Evidences



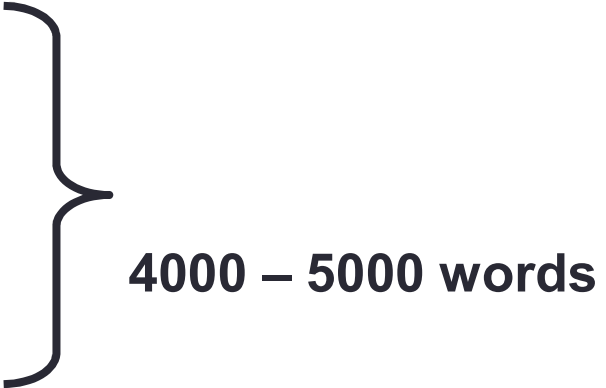
When writing your article is assumed that you already analyzed your data and reach your conclusions



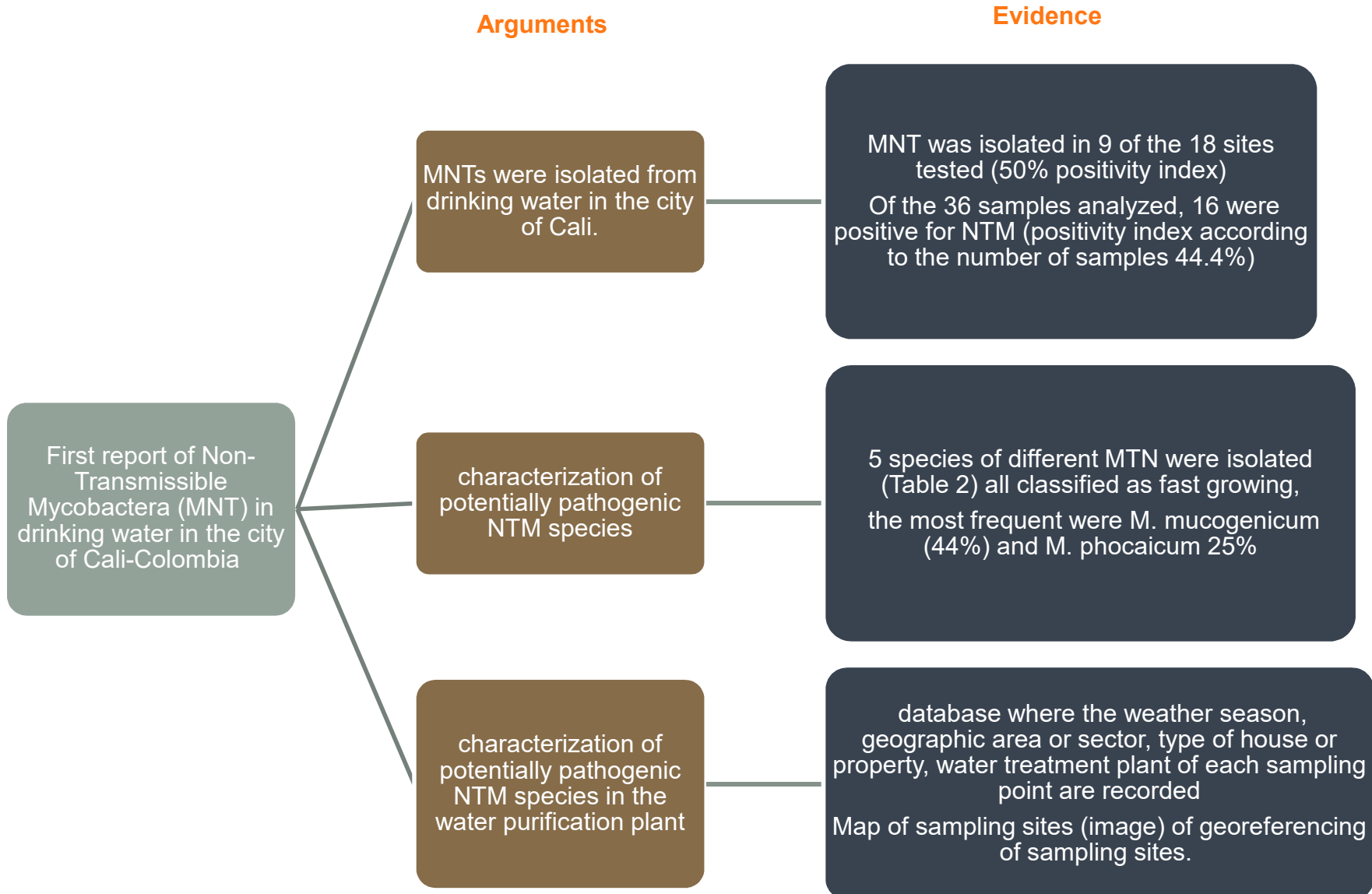
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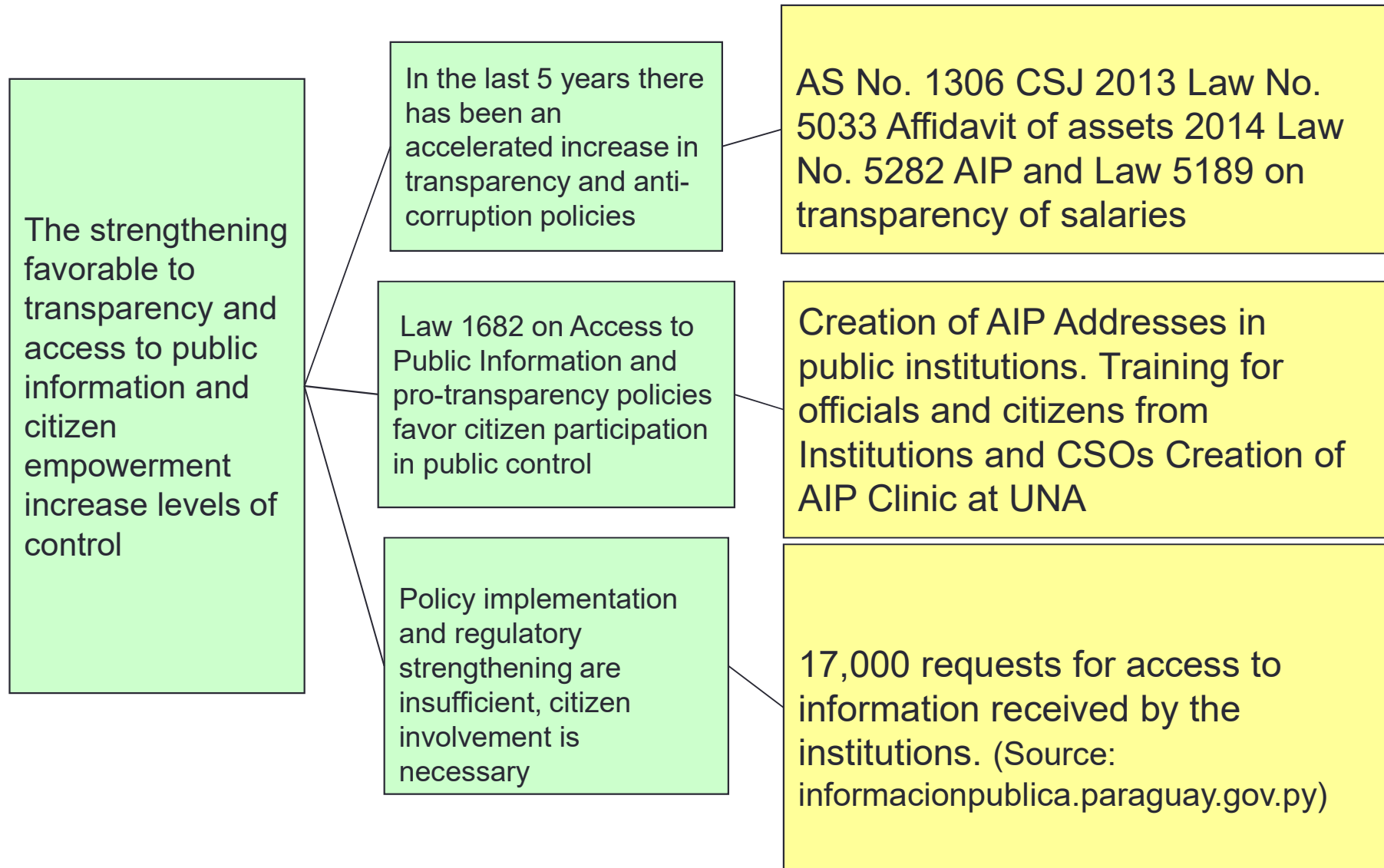
Length and structure of the article

- Title page Abstract (250 to 400 words)
 - Abstract (250 to 400 words) three to five keywords
 - Introduction (700 and 1000 words)
 - Methods (300 and 1000 words)
 - Results (500-1000 words)
 - Discussion (1500 and 2000 words)
 - Acknowledgments
 - References, tables, illustrations
- 
- 4000 – 5000 words**

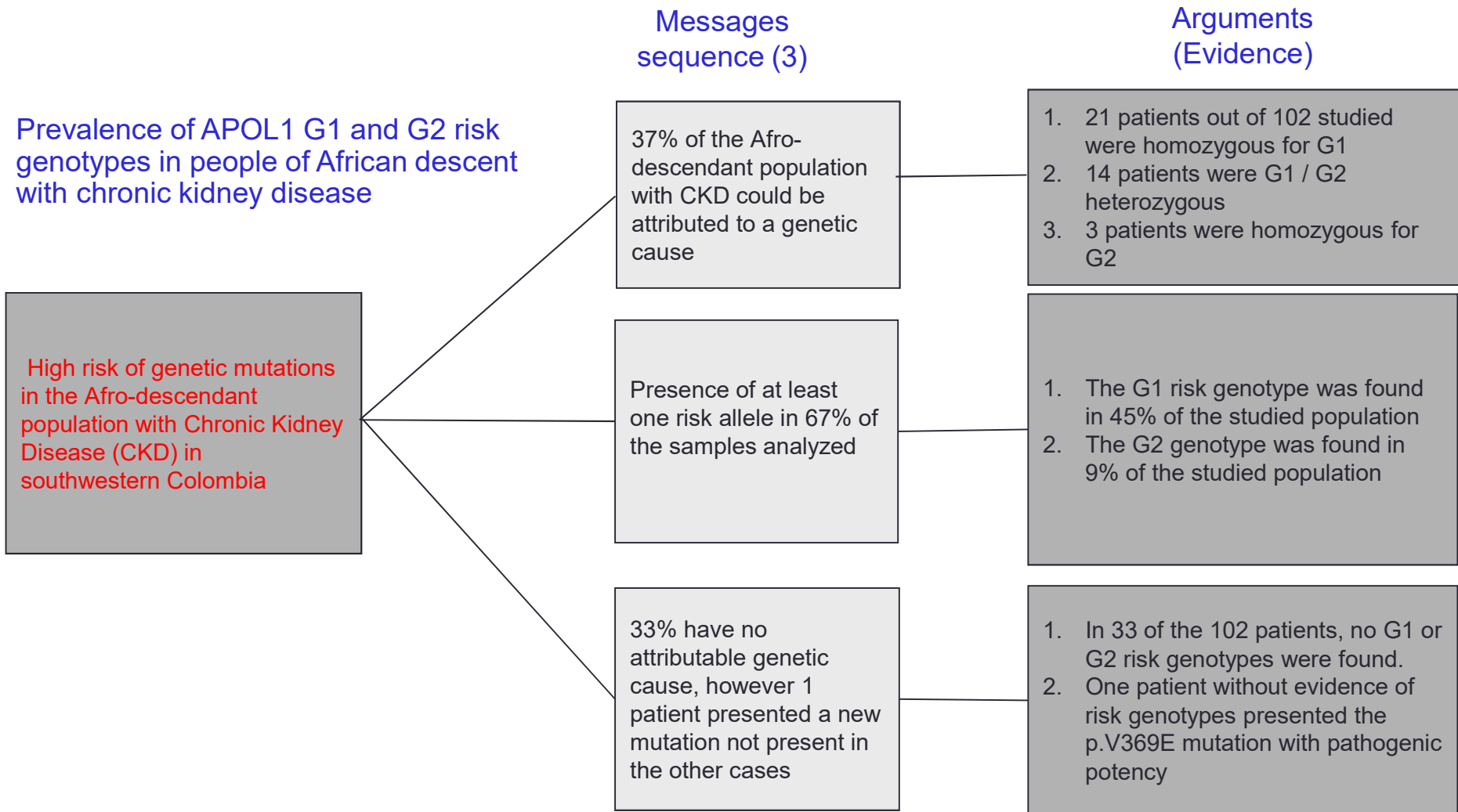
First report of non Non-Transmissible Mycobacterium in drinking water in the city of Cali-Colombia



The Paraguayan public administration in 30 years of democracy



Construction of the tree of arguments: outline of the manuscript



First report of non Non-Transmissible Mycobacterium in drinking water in the city of Cali-Colombia

Arguments

Evidence

First report of Non-Transmissible Mycobacteria (MNT) in drinking water in the city of Cali-Colombia

MNTs were isolated from drinking water in the city of Cali.

MNT was isolated in 9 of the 18 sites tested (positive index 50%)
Of the 36 samples analyzed, 16 were positive for NTM (positivity index according to the number of samples 44.4%)

characterization of potentially pathogenic NTM species

5 species of different MTN were isolated (Table 2) all classified as fast growing, the most frequent were *M. mucogenicum* (44%) and *M. phocaicum* 25%

characterization of potentially pathogenic NTM species in the water purification plant

database where the weather season, geographic area or sector, type of house or property, water treatment plant of each sampling point are recorded
Map of sampling sites (image) of georeferencing of sampling sites.

Tree of Arguments Construction: Manuscript Outline

