

Sustainable Development Goals (SDGs) Priorities and Map the Interactions between SDGs in Goulburn Murray Region

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Progress Summary

1

- Gathering information and resources about the Goulburn Murray and contextual analysis

2

- Prepare list of priority SDGs in the Goulburn-Murray

3

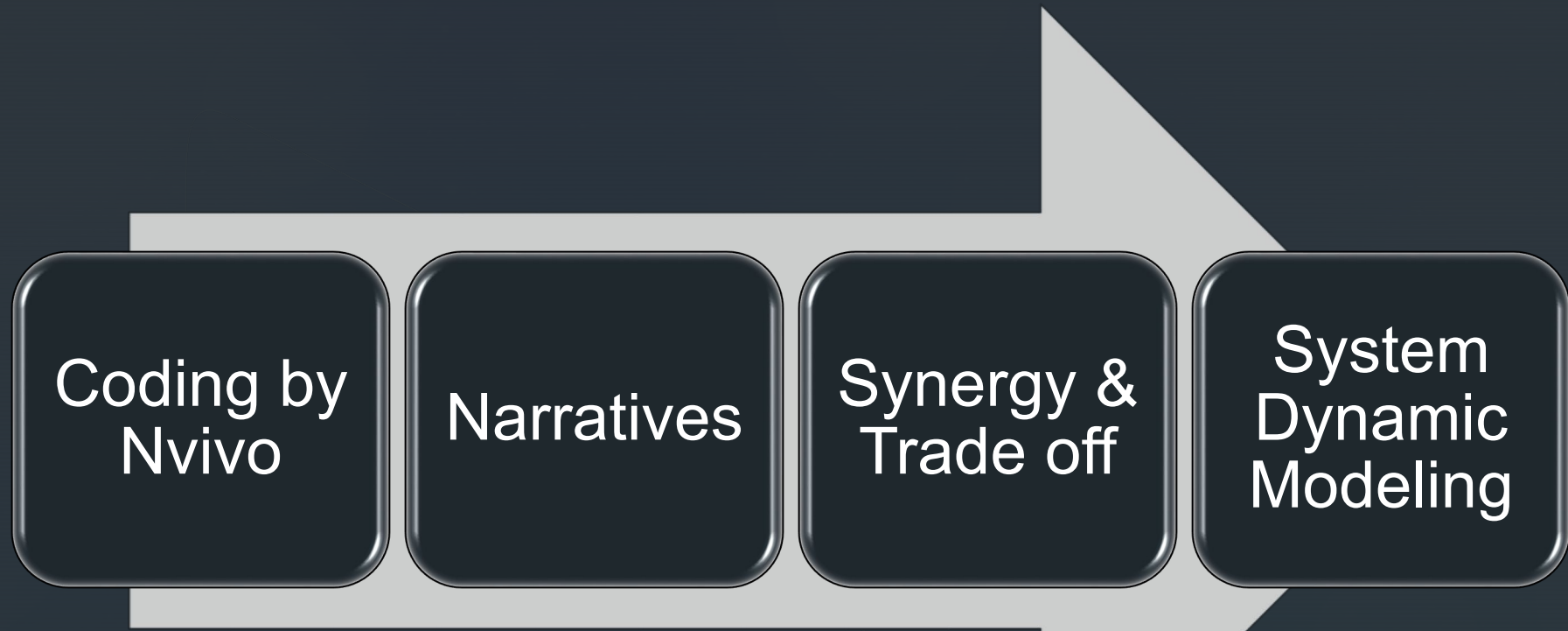
- Finding interactions among 7 selected SDGs

Goulburn-Murray Water regional map, including the Goulburn-Murray Irrigation District (GMID)



'inland water playground' and the 'food bowl of Victoria'

Process of Goulburn-Murray Modelling



- ▶ NVivo. 12 Pro gives you a place to:

Store and organize

- Categorize and analyse

Visualize and discover



Goulburn-Murray Contextual Analysis

Reports

96

Journal Papers

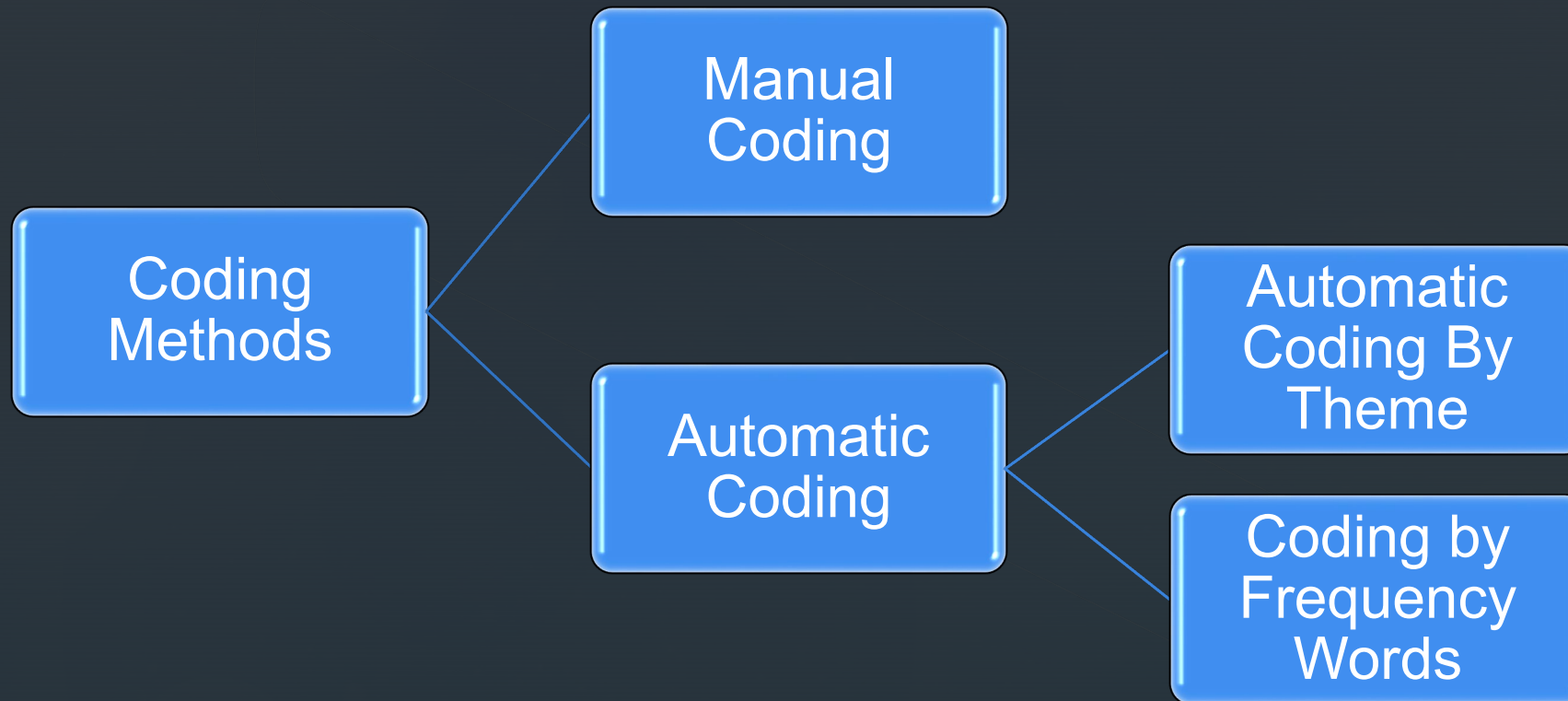
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Interviews

30



► Different Coding Methods in Nvivo 12 pro



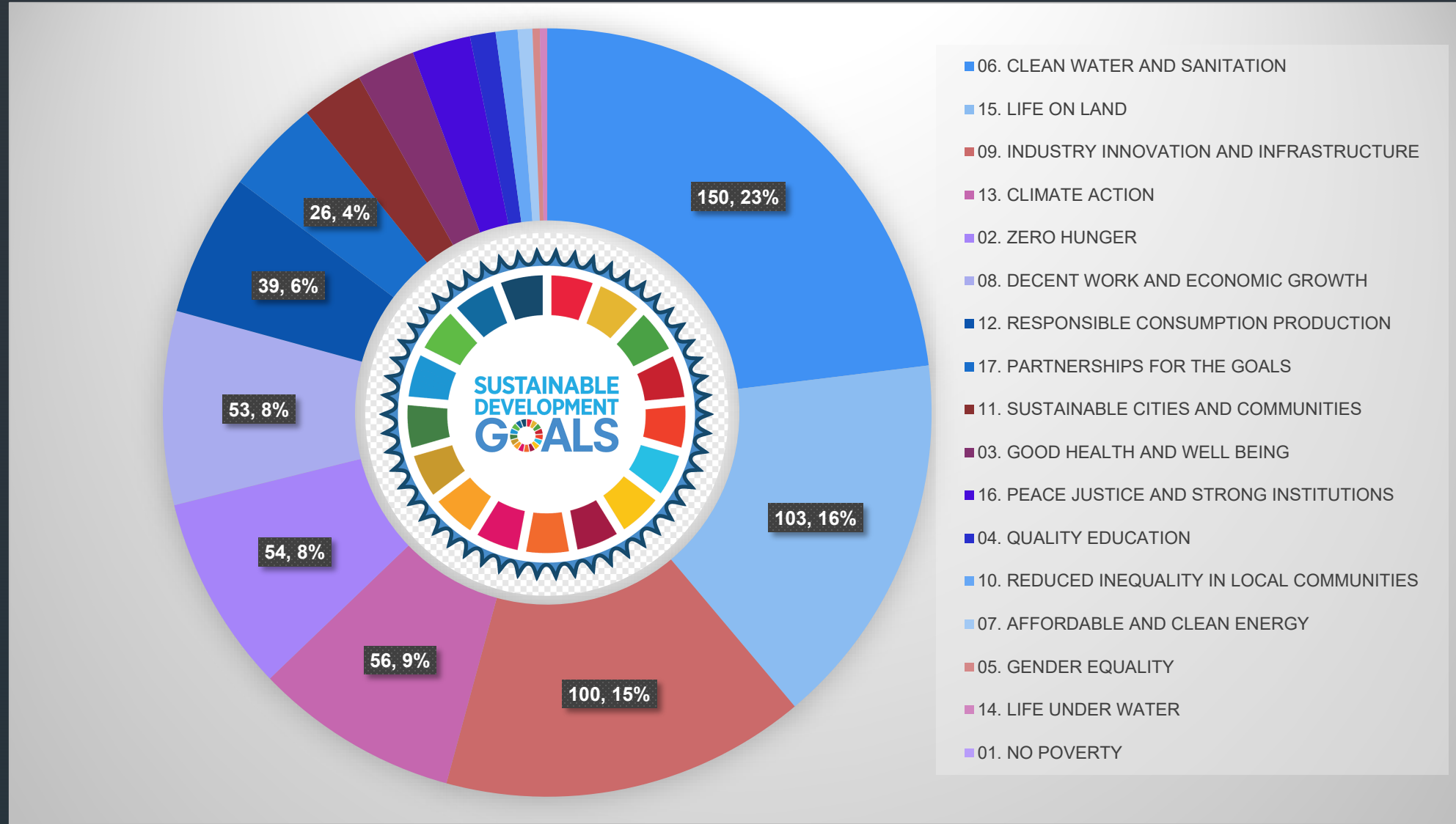
Priority SDGs in Goulburn Murray

According to Number of References



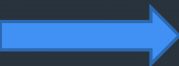

Priority SDGs in Goulburn Murray

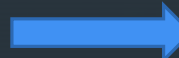

According to Number of Statements





Synergy & Trade off

Synergy: Positively one goal or target influences another, progress in one goal or target favors progress in another.  

Trade off: Negatively one goal or target influences another. progress in one goal or target hinders progress in another.  

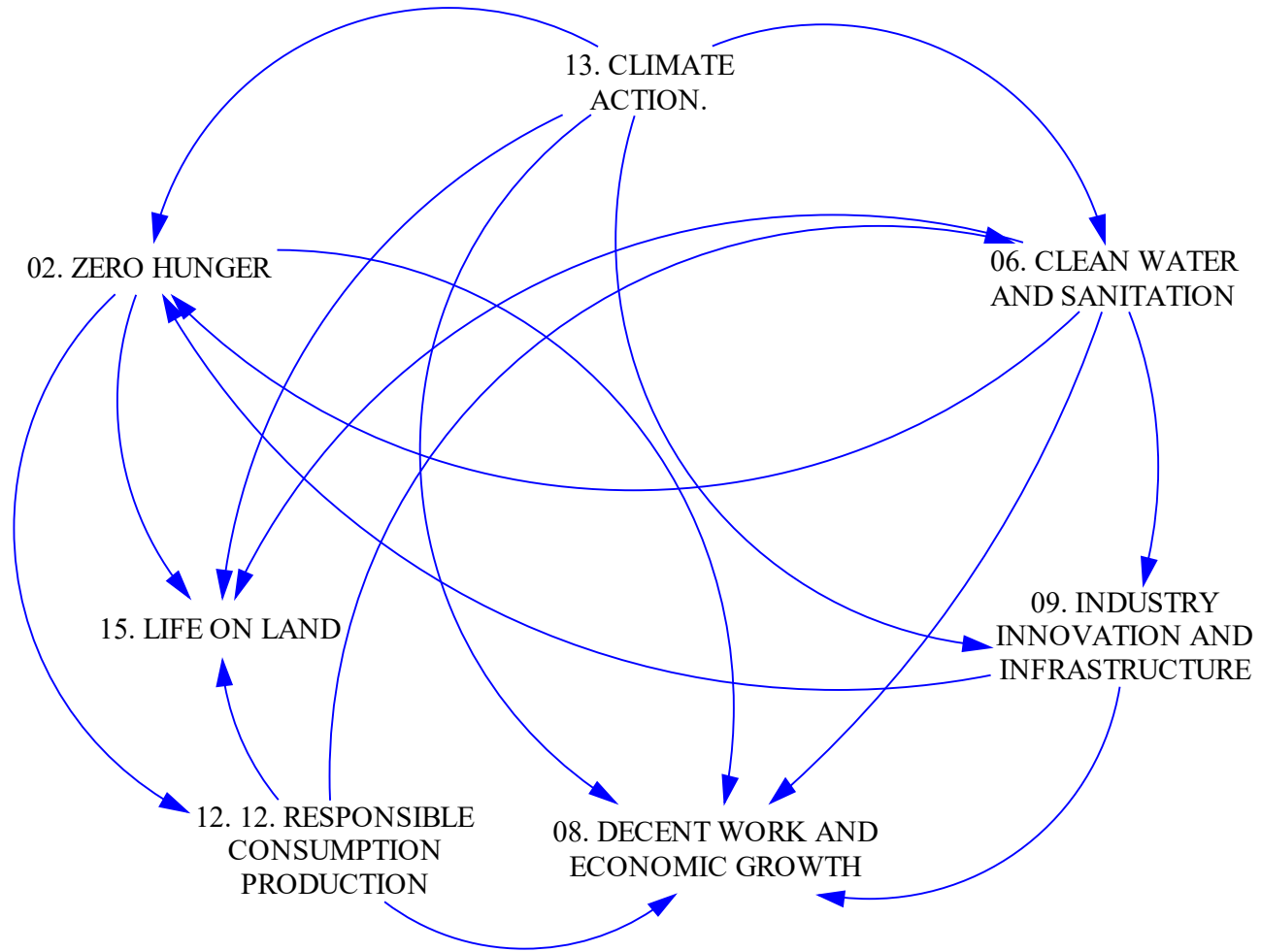
SDGs	1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION	7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS
1 NO POVERTY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 ZERO HUNGER	0	54	1	1	0	11	0	12	25	0	1	1	3	1	4	1	0
3 GOOD HEALTH AND WELL-BEING	0	1	16	1	0	1	0	1	0	0	0	1	0	0	0	0	0
4 QUALITY EDUCATION	0	1	1	7	0	0	0	1	1	0	0	0	0	0	0	0	0
5 GENDER EQUALITY	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
6 CLEAN WATER AND SANITATION	0	11	1	0	0	150	1	9	35	0	1	16	25	0	51	0	1
7 AFFORDABLE AND CLEAN ENERGY	0	0	0	0	0	1	4	0	0	0	0	2	0	0	1	0	0
8 DECENT WORK AND ECONOMIC GROWTH	0	12	1	1	0	9	0	53	19	0	1	2	2	0	4	0	1
9 INDUSTRY INNOVATION AND INFRASTRUCTURE	0	25	0	1	0	35	0	19	100	0	1	4	7	0	18	0	1
10 REDUCED INEQUALITIES	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	1	0
11 SUSTAINABLE CITIES AND COMMUNITIES	0	1	0	0	0	1	0	1	1	0	17	0	0	0	1	0	1
12 RESPONSIBLE CONSUMPTION AND PRODUCTION	0	1	1	0	0	16	2	2	4	0	0	39	1	0	12	0	0
13 CLIMATE ACTION	0	3	0	0	0	25	0	2	7	0	0	1	56	0	10	0	0
14 LIFE BELOW WATER	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
15 LIFE ON LAND	0	4	0	0	0	51	1	4	18	0	1	12	10	1	103	0	1
16 PEACE, JUSTICE AND STRONG INSTITUTIONS	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	16	1
17 PARTNERSHIPS FOR THE GOALS	0	0	0	0	0	1	0	1	1	0	1	0	0	0	1	1	26

Priority SDGs Synergy & Trade off in Goulburn-Murray



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Future project plans of Goulburn-Murray

- 1- **Narrative interactions** (Synergy & Trade off) among 7 most frequently coded SDGs
- 2- Narrative interactions (Synergy & Trade off) among **targets** of 7 most frequently coded SDGs
- 3- Simulation of Goulburn-Murray by **System Dynamics Modeling**
- 4- Analyse **future scenarios** by System Dynamics Modeling
- 5- Improve socio-economic and environmental **policies** of sustainability for Goulburn-Murray



www.localsdgs.org



■ **Thank You**
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Artwork by Jordana Angus

