

# INSIGHTS ON ENVIRONMENT

As on 15/05/2023

- 1 Environment, Habitat and Ecosystem
- 2 Ecology
- 3 Principles of Ecology
- 4 Ecological Succession
- 5 Ecological Pyramid
- 6 Energy Flow
- 7 Biomagnification & Bioaccumulation
- 8 Gaseous Cycles
- 9 Sedimentary Cycles
- 10 Types of Ecosystems
- 11 Forest Ecosystem

# INSIGHTS ON ENVIRONMENT

12 Grassland Ecosystem

13 Champion and Seth Classification of Indian Forest-I

14 Champion and Seth Classification of Indian Forest-II

15 Aquatic Ecosystem

16 Aquatic Zones

17 Lake Ecology and Eutrophication

18 Types of Grass Lands in India

19 Estuary Ecosystem

20 Wetlands and its Classification

21 Mangroves and its importance

22 Mangroves in India

# INSIGHTS ON ENVIRONMENT

23 Coral Reefs

24 Cold Corals

25 Coral Bleaching

26 Initiatives to Protect Marine & Coastal Environment

27 Ganga Action Plan & NRI Ganga Fund

28 Namami Ganga Programme

29 Clean Ganga Fund

30 Biodiversity - I (Types of Biodiversity)

31 Biodiversity - II (Services Provided & Causes of Loss)

32 Types of Species

33 Alien Species Invasions

# INSIGHTS ON ENVIRONMENT

- 34 Biodiversity Conservation
- 35 In-Situ Conservation
- 36 Ex-Situ Conservation
- 37 Eco-Sensitive Zones (ESZs)
- 38 Biodiversity Hotspots
- 39 Hope Spots
- 40 Convention on Biological Diversity (CBD)
- 41 IUCN RED LIST (Part - I)
- 42 IUCN RED LIST (Part - II)
- 43 Cartagena & Nagoya Protocol
- 44 Decade on Ecosystem Restoration

# INSIGHTS ON ENVIRONMENT

45 GPFLR & Bonn Challenge

45 BIOFIN Initiative

47 UN Strategic Plan for Forests 2017-2030

48 Aichi Bio-diversity Targets

49 Sharm El Sheikh Declaration, 2018

50 COP 15 of CBD

51 Global Assessment Report on Biodiversity

52 CITES

53 Protection Offered by CITES

54 Monitoring the illegal killing of Elephants (MIKE)

55 MIKE Sites in India

# INSIGHTS ON ENVIRONMENT

56 The Wildlife Trade Monitoring Network (TRAFFIC)

57 Coalition Against Wildlife Trafficking (CAWT)

58 Policies and Laws Concerning CITES in India - I

59 Wildlife (Protection) Act, 1972

60 Operation "Clean Art"

61 Not all animals migrate by choice campaign

62 Convention on Migratory Species (CMS)

63 COP 13 of CMS

64 Central Asian Mammals Initiative (CAMI)

65 Tiger Conservation

66 Tiger Conservation Measures

# INSIGHTS ON ENVIRONMENT

- 67 National Tiger Conservation Authority
- 68 Tiger Corridors in India - I
- 69 Tiger Corridors in India - II
- 70 Tiger Census and its methodology
- 71 Technology in Wildlife Conservation
- 72 Forests with a potential of increasing tiger population
- 73 The Global Tiger Initiative
- 74 St. Petersburg Declaration & Global Tiger Recovery Prog.
- 75 International Consortium on Combating Wildlife Crime
- 76 Global Tiger Forum
- 77 Tiger Conservation Excellence Award & CA I TS

# INSIGHTS ON ENVIRONMENT

78 Project Snow Leopard

79 Conservation of Snow Leopard

80 Global Snow Leopard & Ecosystem Prog. (GSLEP)

81 Govt. Initiatives for Conservation of Snow Leopards

82 Elephant Reserves in India - I

83 Elephant Reserves in India - II

84 Elephant Reserves in India - III

85 Elephant Reserves in India - IV

86 IUCN Asian Elephant Specialist Group

87 Elephant Trade Information System (ETIS)

88 Elephant Conservation Status



# INSIGHTS ON ENVIRONMENT

- 89 Project Elephant
- 90 Threats to Elephant Corridors
- 91 Major Elephant Corridors
- 92 Initiatives for Conservation of Elephants
- 93 Rhino Species Across the World
- 94 Greater One-Horned Rhino
- 95 Rhino Conservation Efforts by India
- 96 India Rhino Vision 2020 (IRV)
- 97 South Asian River Dolphin
- 98 Ganges River Dolphin and Indus River Dolphin
- 99 Irrawady Dolphin

# INSIGHTS ON ENVIRONMENT

100 Conservation Measures of Ganges River Dolphin

101 Crocodile Species in India - Gharial

102 Crocodile Species in India - Mugger

103 Crocodile Species in India - Saltwater Crocodile

104 Crocodile Conservation Project

105 Integrated Development of Wildlife Habitat & Hangul Project

106 Conservation of Sea Turtles - I

107 Conservation of Sea Turtles - II

108 Conservation of Sea Turtles - III

109 List of Critically Endangered Species Under Species  
Recovery Programme - I

110 List of Critically Endangered Species Under  
Species Recovery Programme - II

111 List of Critically Endangered Species Under  
Species Recovery Programme - III

# INSIGHTS ON ENVIRONMENT

112 Animal Welfare Board of India

113 Conservation of Indian Vultures

114 Conservation Status of Indian Vulture - I

115 Conservation Status of Indian Vultures - II

116 Initiatives for Conservation of Indian Vultures

117 National Wildlife Action Plan ( 2017-2031) - I

118 National Wildlife Action Plan (2017-2031) - II

119 National Action Plan For Conservation of Migratory  
Birds (2018-2023) & Central Asian Flyway

120 National Efforts towards Wildlife Conservation

121 Pollution

122 Human Modified Ecosystems and Environmental  
Degradation

123 Aquaculture

# INSIGHTS ON ENVIRONMENT

124 Dams, Reservoirs and Diversions

125 Coral Reefs in India

126 Degradation of Himalayan Environment

127 Initiatives to Save Himalayan Environment - I

128 Initiatives to Save Himalayan Environment - II

129 Air pollution

130 Major Causes of Air Pollution- I

131 Major Causes of Air Pollution- II

132 Major Causes of Air Pollution- III

133 Major Causes of Air Pollution- IV

134 Major Causes of Air Pollution - V

135 Major Causes of Air Pollution - VI

136 Major Causes of Air Pollution - VII

137 Major Causes of Air Pollution - VIII

138 Major Causes of Air Pollution - IX

139 Major Causes of Air Pollution - X

140 Major Causes of Air Pollution - XI

# INSIGHTS ON ENVIRONMENT

141 Minor Air Pollutants - I

142 Minor Air Pollutants - II

143 Effects of Air Pollution - I

144 Effects of Air Pollution - II

145 Photochemical Smog

146 Acid Rain - I

147 Acid Rain - II

148 Acid Rain - III

149 Acid Rain - IV

150 Acid Rain - V

151 Ocean Acidification - I

152 Ocean Acidification - II

153 Aerosol Impact on Monsoon Rainfall

154 Aerosol Impact on Regional Rainfall Patterns

155 Ozone Depletion - I

156 Ozone Depletion - II

157 Ministry of Environment & Forest

# INSIGHTS ON ENVIRONMENT

158 Central Pollution Control Board (CPCB)

159 National Green Tribunal (NGT)

160 Animal Welfare Board of India

161 National Board for Wildlife

162 National Biodiversity Authority

163 Wildlife Crime Control Bureau

164 Wildlife Trust of India

165 Central Zoo Authority

166 National Lake Conservation Plan

167 National Ganga Basin Authority

168 Environmental Impact Assessment - I

169 Environmental Impact Assessment - II

170 Environmental Impact Assessment - III

171 Global Environment Facility

172 Green Climate Fund

173 Climate Financing in India

174 National Clean Energy Fund

# INSIGHTS ON ENVIRONMENT

175 Clean Development Mechanism

176 National Adaptation Fund

177 CAMPA Fund

178 IPCC

179 IUCN

180 UNEP

181 World Food Programme

182 World Nature Organization

183 Forest Carbon Partnership Facility

184 International Whaling Commission

185 Arctic Council

186 Bio-Carbon Fund

187 Birdlife International

188 CITES - II

189 UNCCD

190 COP 15 of UNCCD

33 Clean Air Cities Declaration

# INSIGHTS ON ENVIRONMENT

191 International Seed Treaty

192 International Union for Protection of New Plant  
Varieties (UPOV Convention)

193 UN Global Climate Action Award

194 IUCN

195 UNEP

196 World Food Programme

197 World Nature Organization

198 Forest Carbon Partnership Facility

199 International Whaling Commission

200 Arctic Council

201 Bio-Carbon Fund

202 Birdlife International

203 CITES - II

204 UNCCD

205 COP 15 of UNCCD

206 Clean Air Cities Declaration



# INSIGHTS ON ENVIRONMENT

As on 15/05/2023

Current Affairs Environmental Topics from  
KHABARVEER Programme

- 1 Green Bonds
- 2 Green India Mission
- 3 River Interlinking Project
- 4 Solar Energy
- 5 Ethanol Blending Programme
- 6 Ethanol Economy
- 7 India's State of Forest Report
- 8 Groundwater
- 9 Green Financing Framework
- 10 Dust Storms
- 11 Marine Heat Waves
- 12 Green Hydrogen
- 13 Extended Producers Responsibility
- 14 Coastal Region Conservation (Part - I)
- 15 Wetlands of India

# INSIGHTS ON ENVIRONMENT

As on 15/05/2023

Current Affairs Environmental Topics from  
KHABARVEER Programme

- 16 India's Nationally Determined Contributions(INDCs)
- 17 Jal Jeevan Mission
- 18 National Mission for Clean Ganga (Arth Ganga)
- 19 Ocean Thermal Energy
- 20 Electric Vehicles
- 21 Wild Fires
- 22 Clean Coal Technologies
- 23 PM KUSUM Scheme
- 24 India and SDGs
- 25 Forest Conservation
- 26 Climate Justice
- 27 Lithium Ion Battery
- 28 Ujala Scheme
- 29 Renewable Energy initiatives of India
- 30 Coastal Vulnerability index

# INSIGHTS ON ENVIRONMENT

As on 15/05/2023

Current Affairs Environmental Topics from  
KHABARVEER Programme

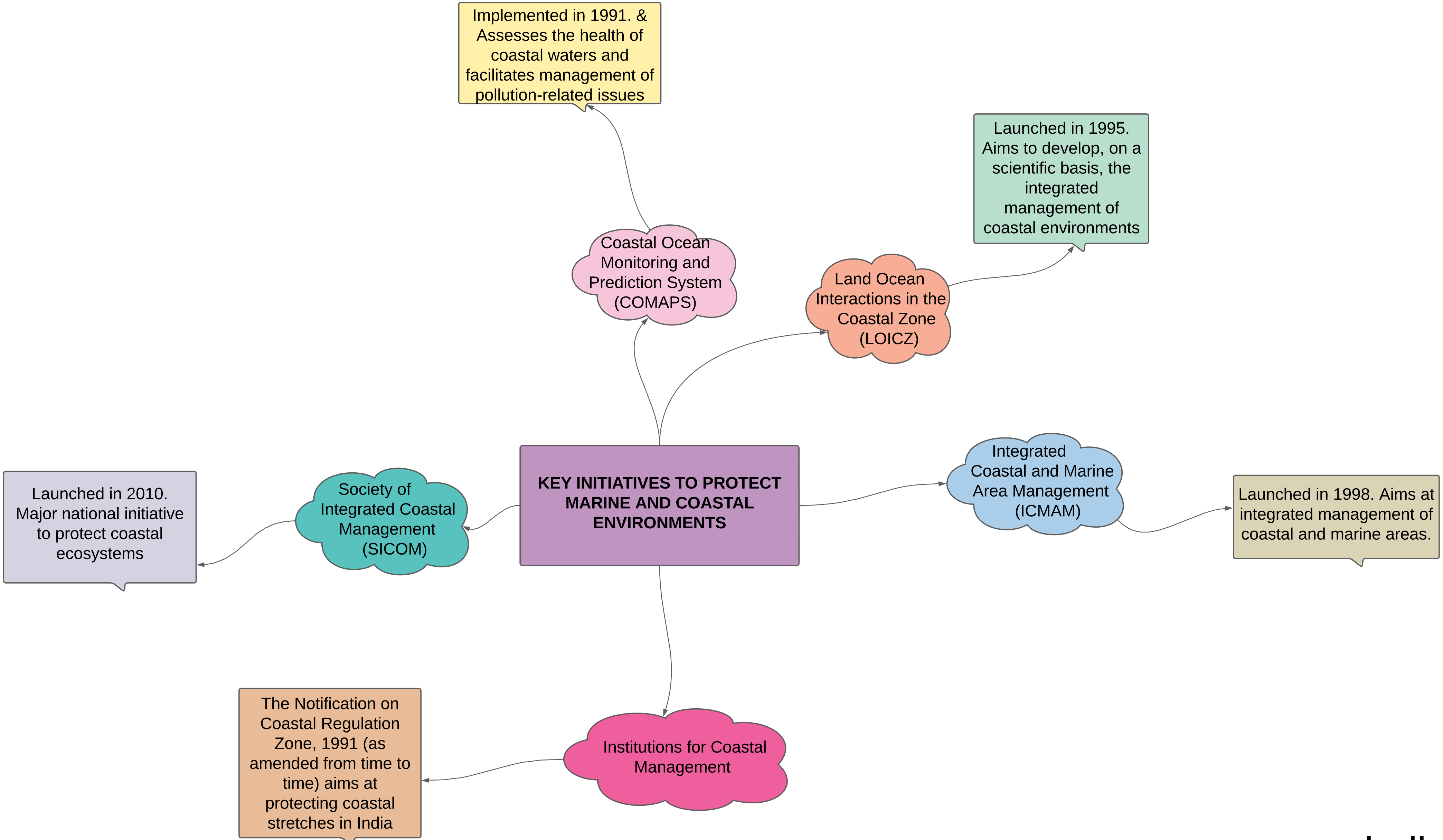
- 31 Coastal Region Conservation (Part - II)
- 32 Disaster Management at Local Level
- 33 Floods in North East

Note : More Static and Current Affairs Topics are  
being added every week

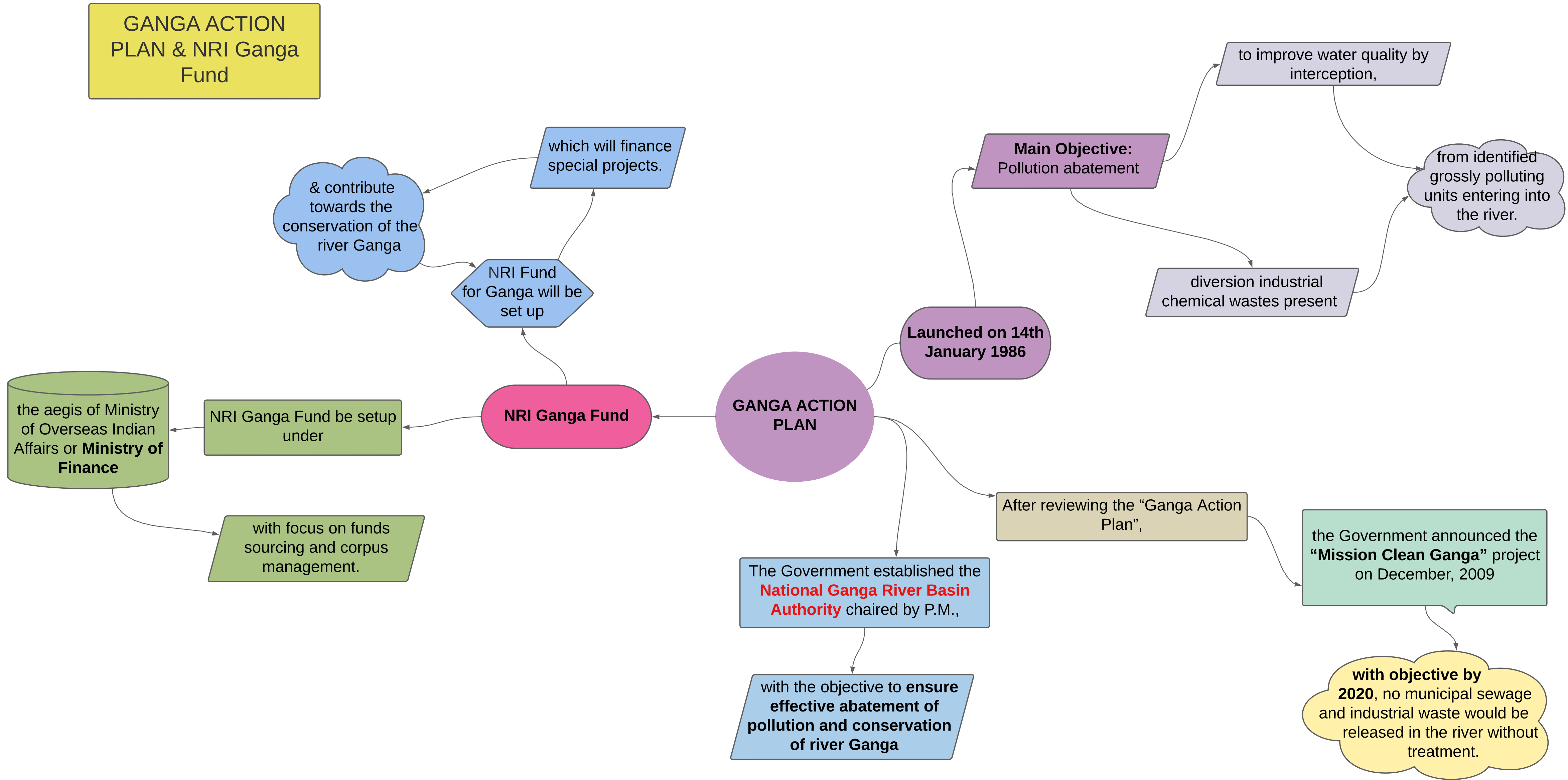
Keep Downloading the Content Regularly.

Copywrite of the material is Owned by Brainbrewery Education. Any  
unauthorized sharing will lead to immediate cancellation of subscription  
and even legal action.

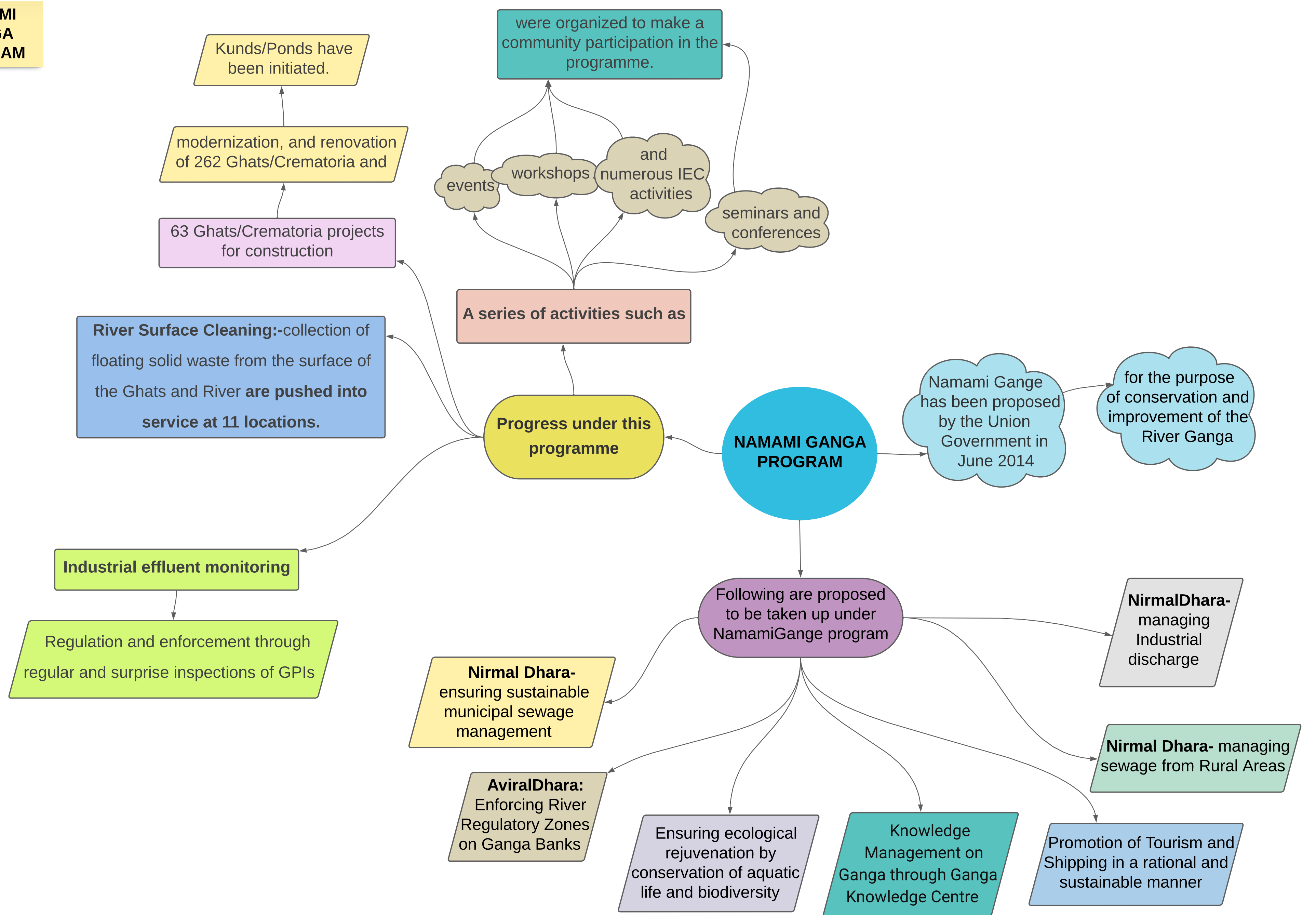
# Initiatives to Protect Marine and Coastal Environment



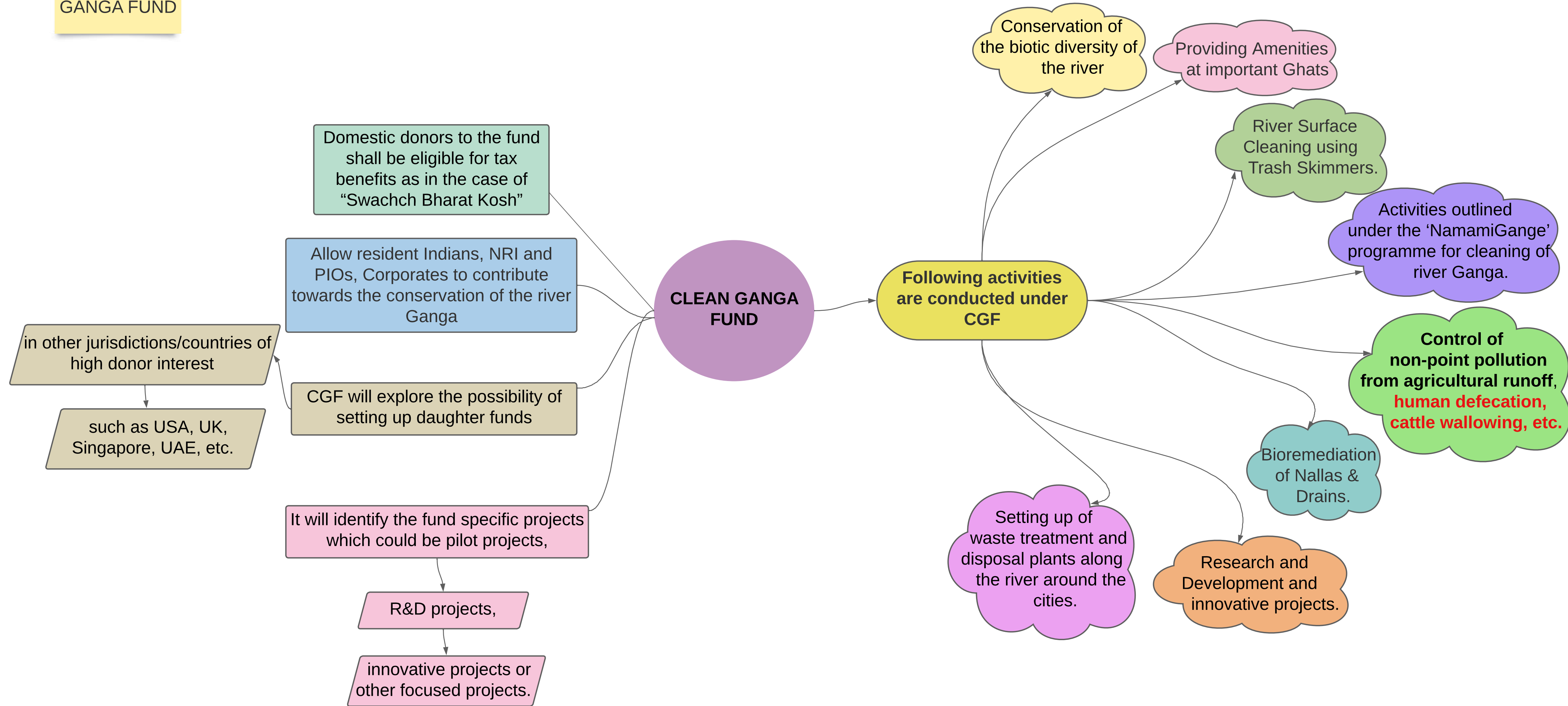
# GANGA ACTION PLAN & NRI Ganga Fund



**NAMAMI GANGA PROGRAM**



CLEAN GANGA FUND



# Biodiversity-I

## Biodiversity-I

A community of all the living organisms on the earth & diversity among them from all the ecosystems.

### Measurement of Biodiversity

Biodiversity is measured by two major components:

It refers to measure of a number of species found in per unit area of a region or community.

### Species evenness

Describes how numerous each species is in an environment.

### Species Richness

#### Alpha diversity

refers to diversity of species found in a particular area or ecosystem,

and is usually expressed by the number of species in that ecosystem.

#### Beta diversity

The ratio of regional to local species diversity is known as beta diversity.

#### Gamma diversity

Measure of overall diversity of different ecosystems within a region.

### Types of Biodiversity

**Genetic diversity** is total number of genetic characteristics in genetic makeup of a species.

E.g., Homo sapiens: Chinese, Indian American, Africa etc.

**Species diversity** is number of different species present in an ecosystem and relative abundance of each of those species.

Species diversity decreases as we move away

from the equator towards the poles.

With few exceptions, tropics (latitudinal range of 23.5° N to 23.5° S) harbour more species than temperate or polar areas

**Ecological diversity** refers to the different habitats,

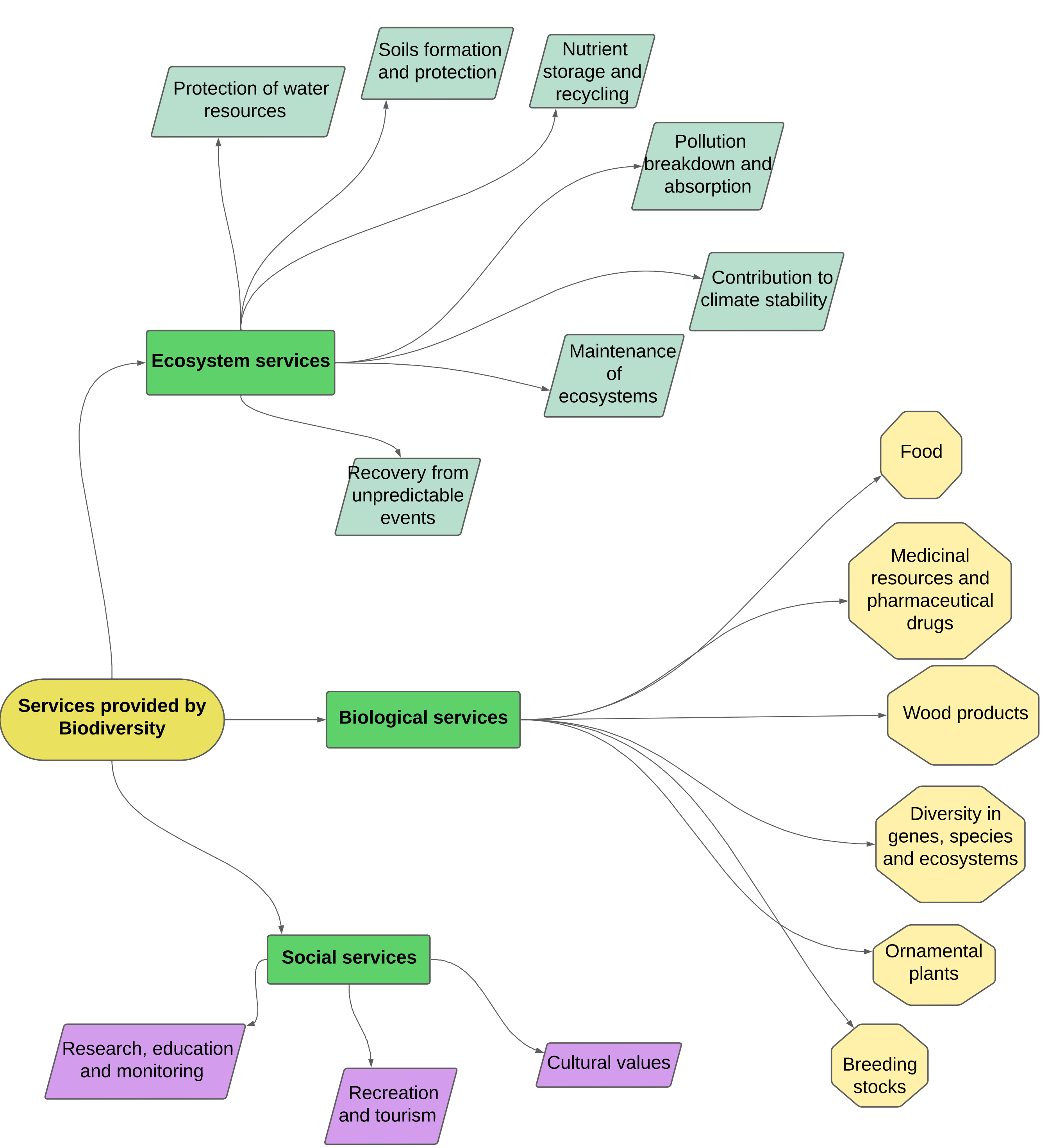
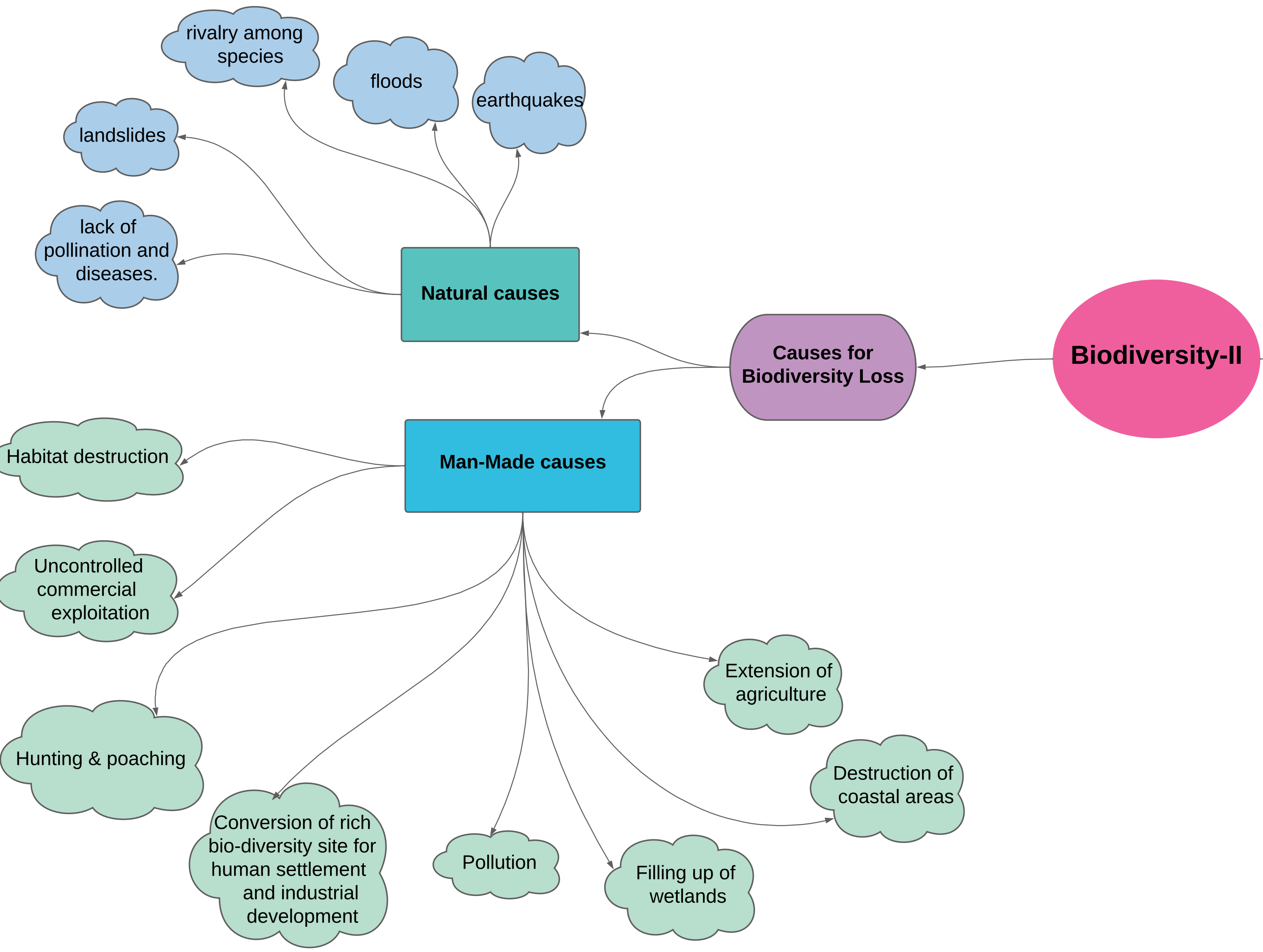
Biological Communities

and Ecological Processes.

For ex. a lake, desert, coast, estuaries, wetlands, mangroves, coral reefs etc.



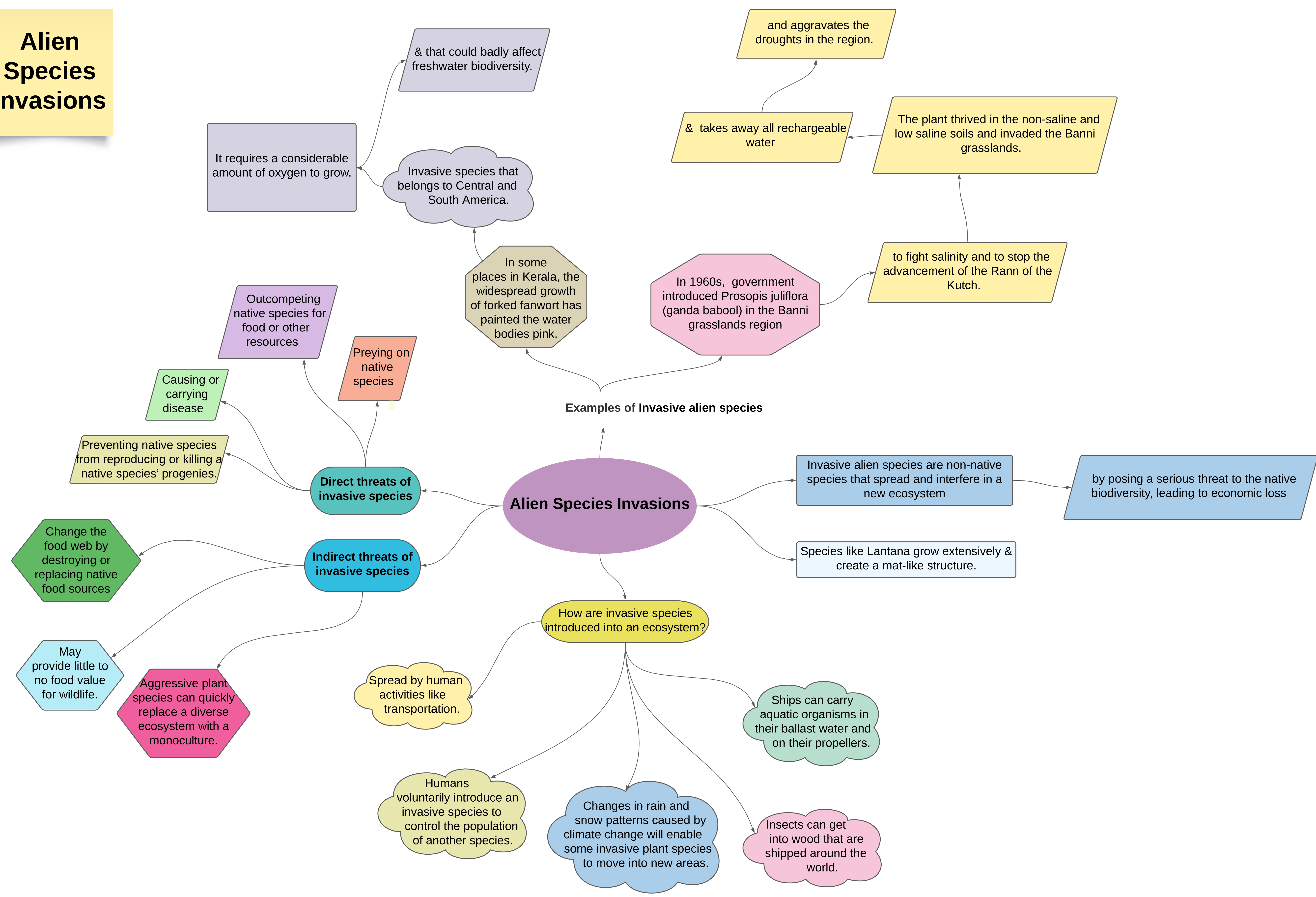
**Biodiversity-II**

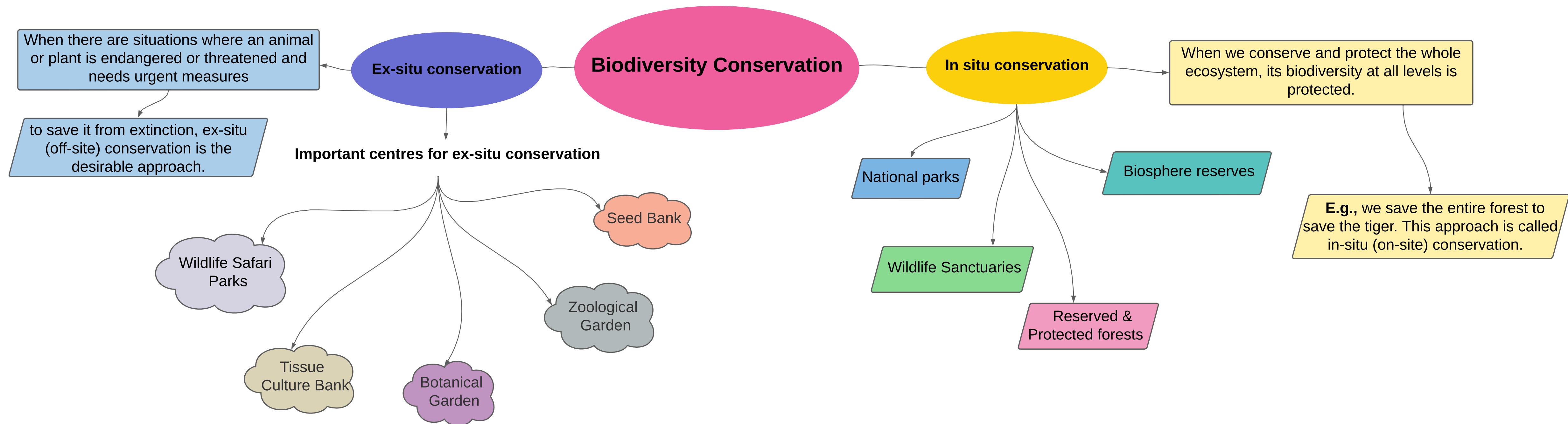


# Types of Species

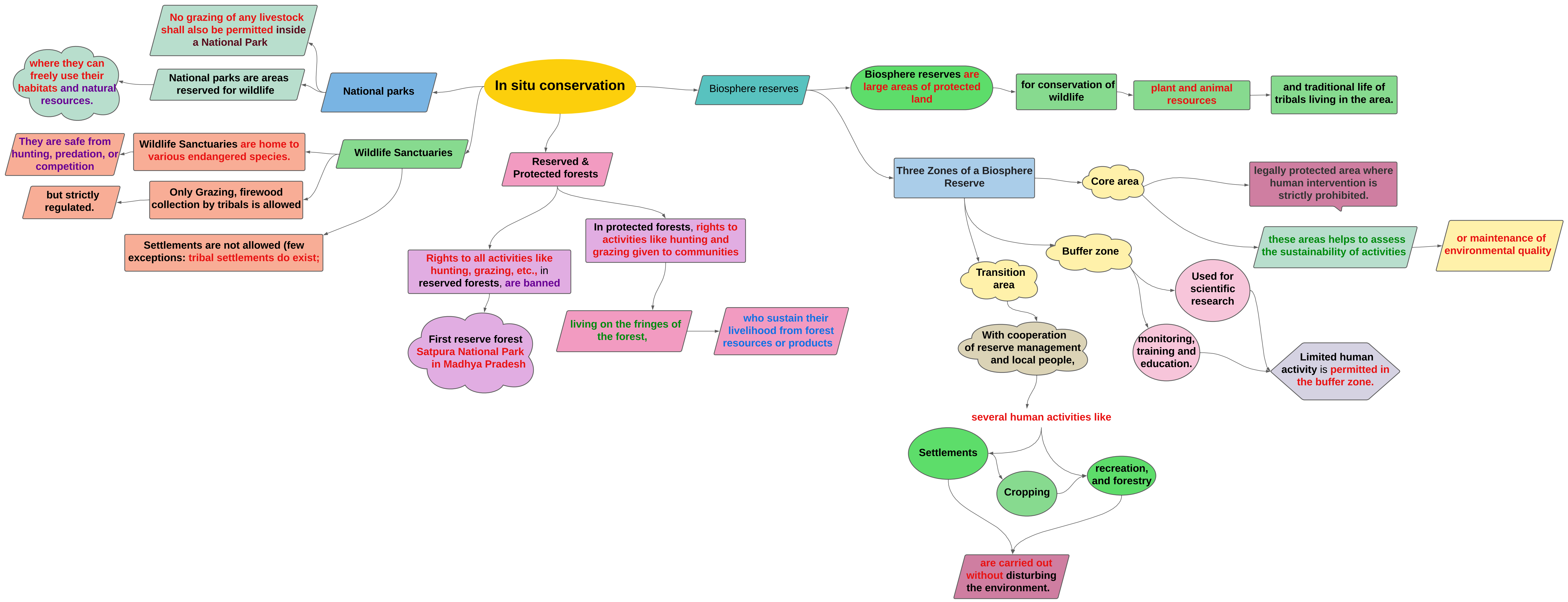


# Alien Species Invasions

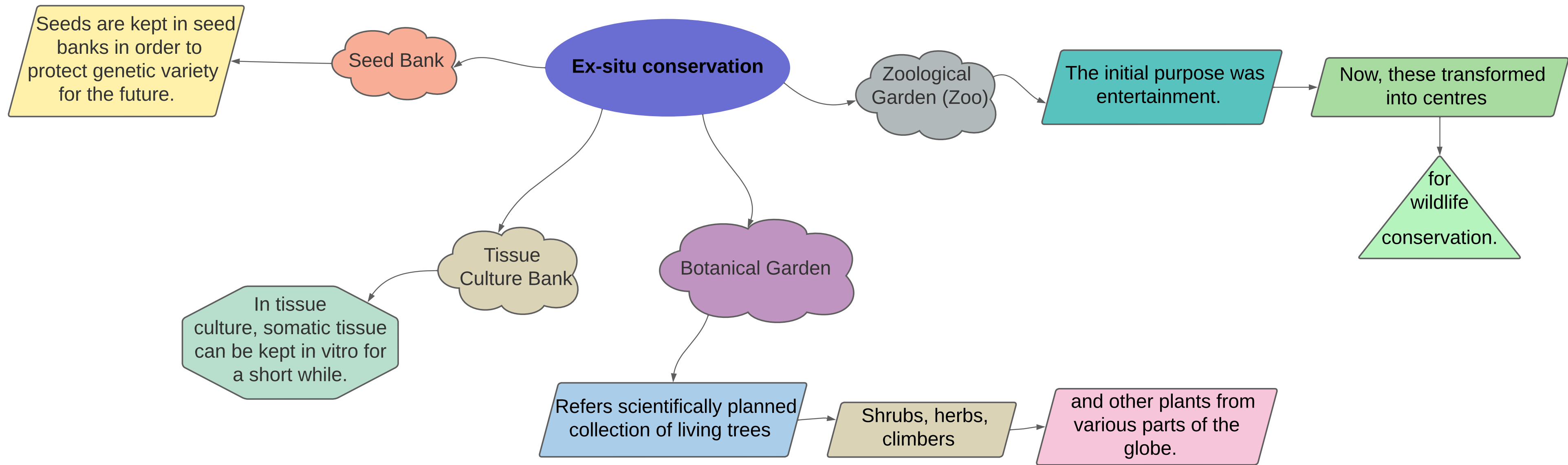




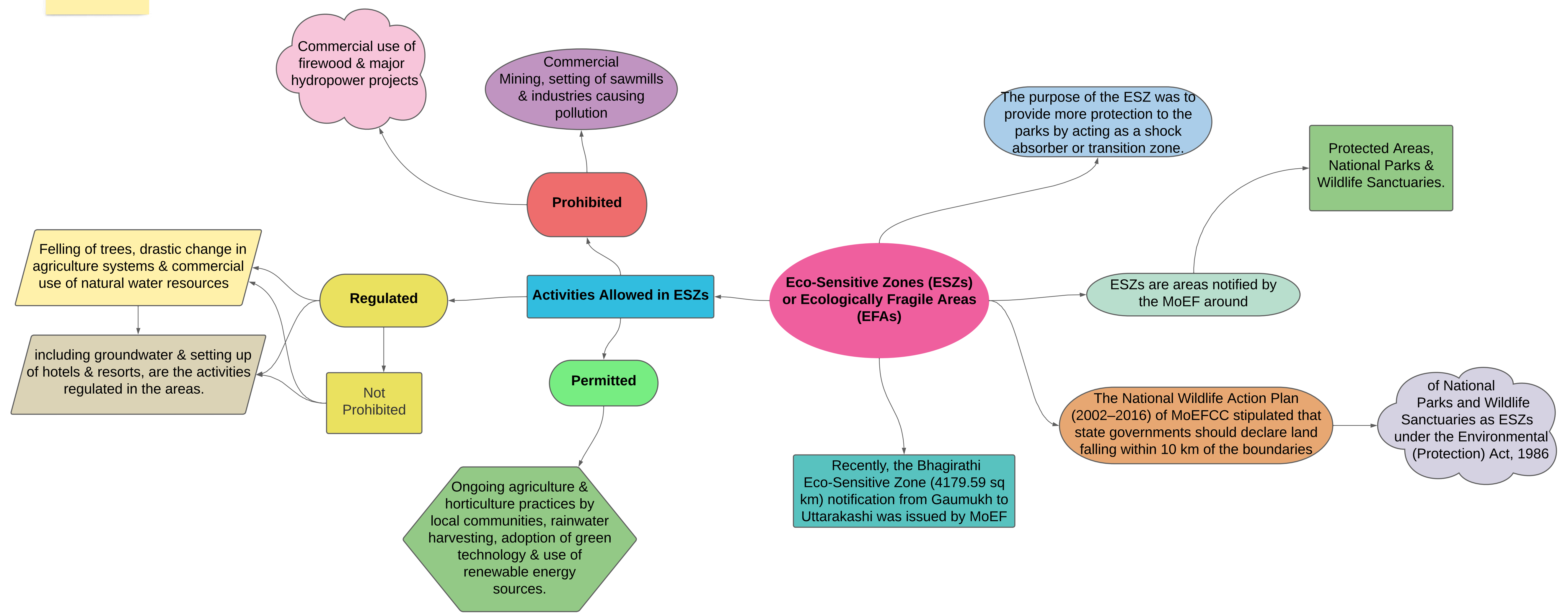
In situ conservation



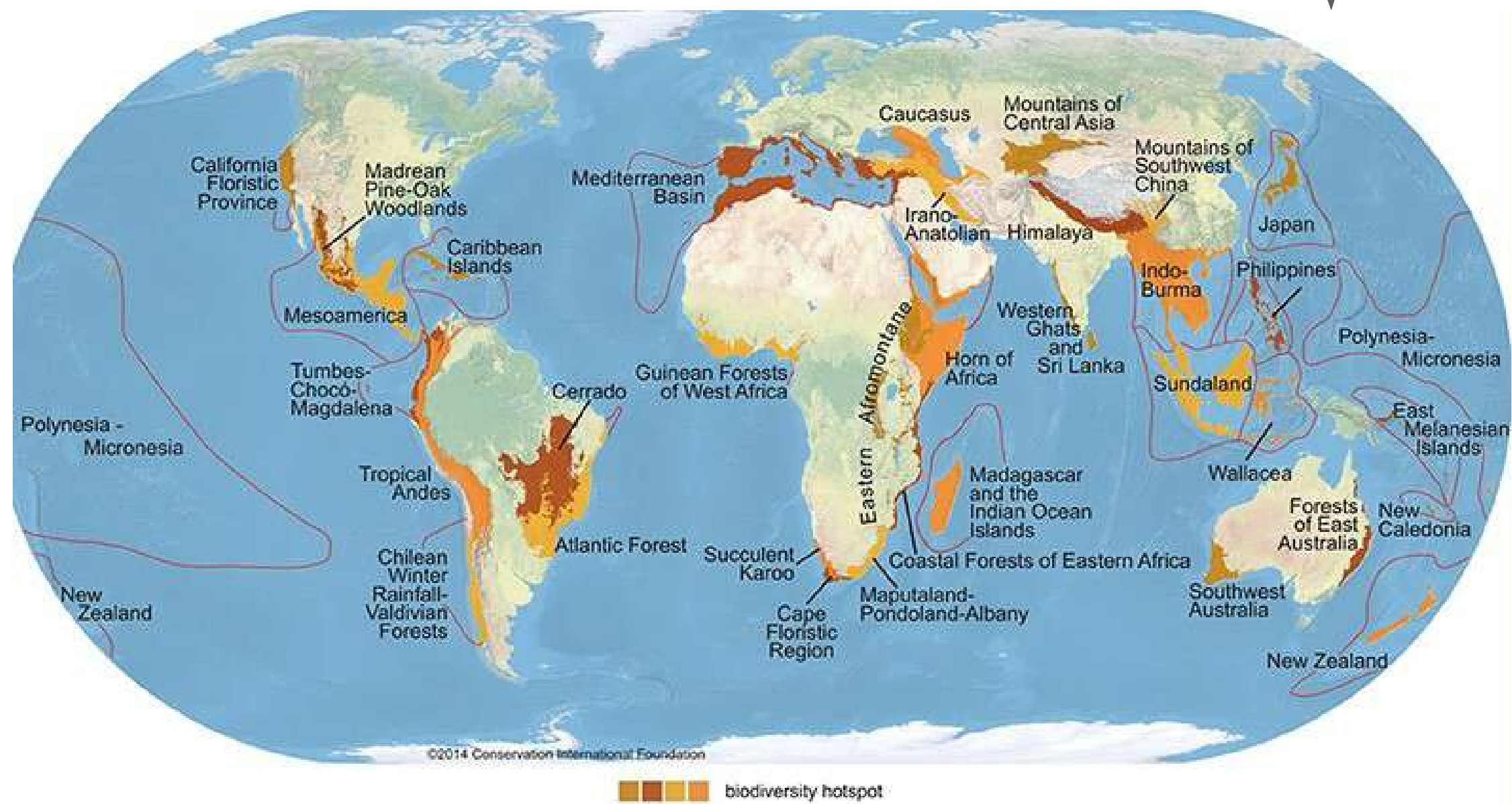
**Ex-situ conservation**



Eco-Sensitive Zones

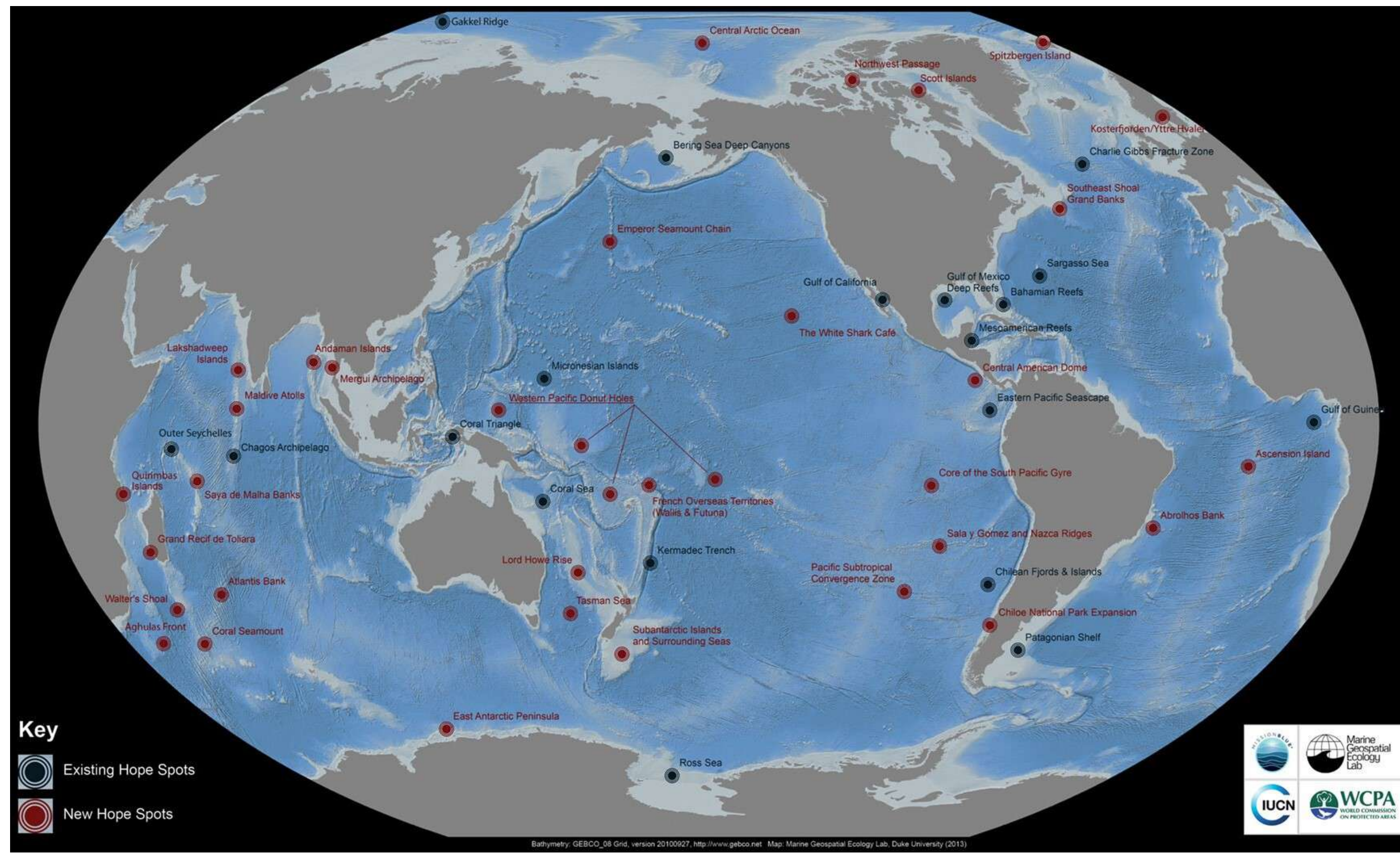
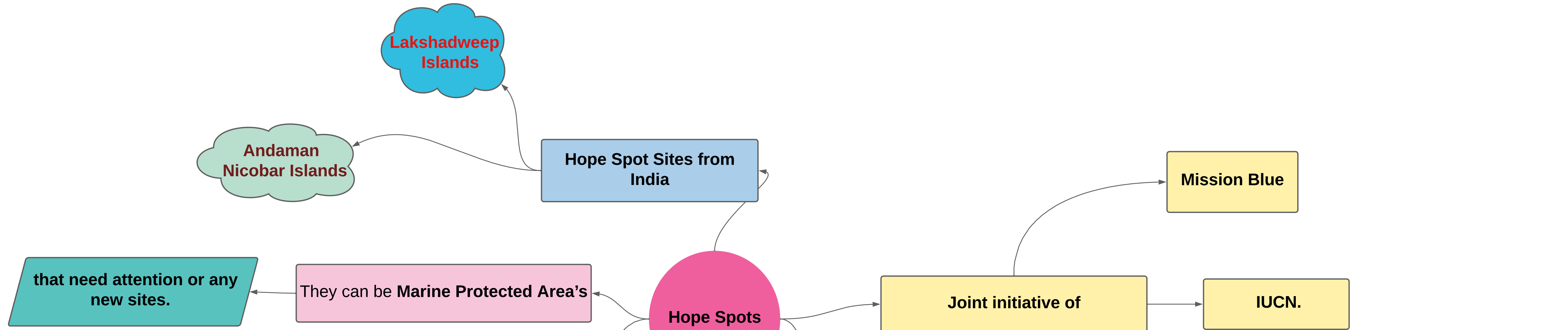


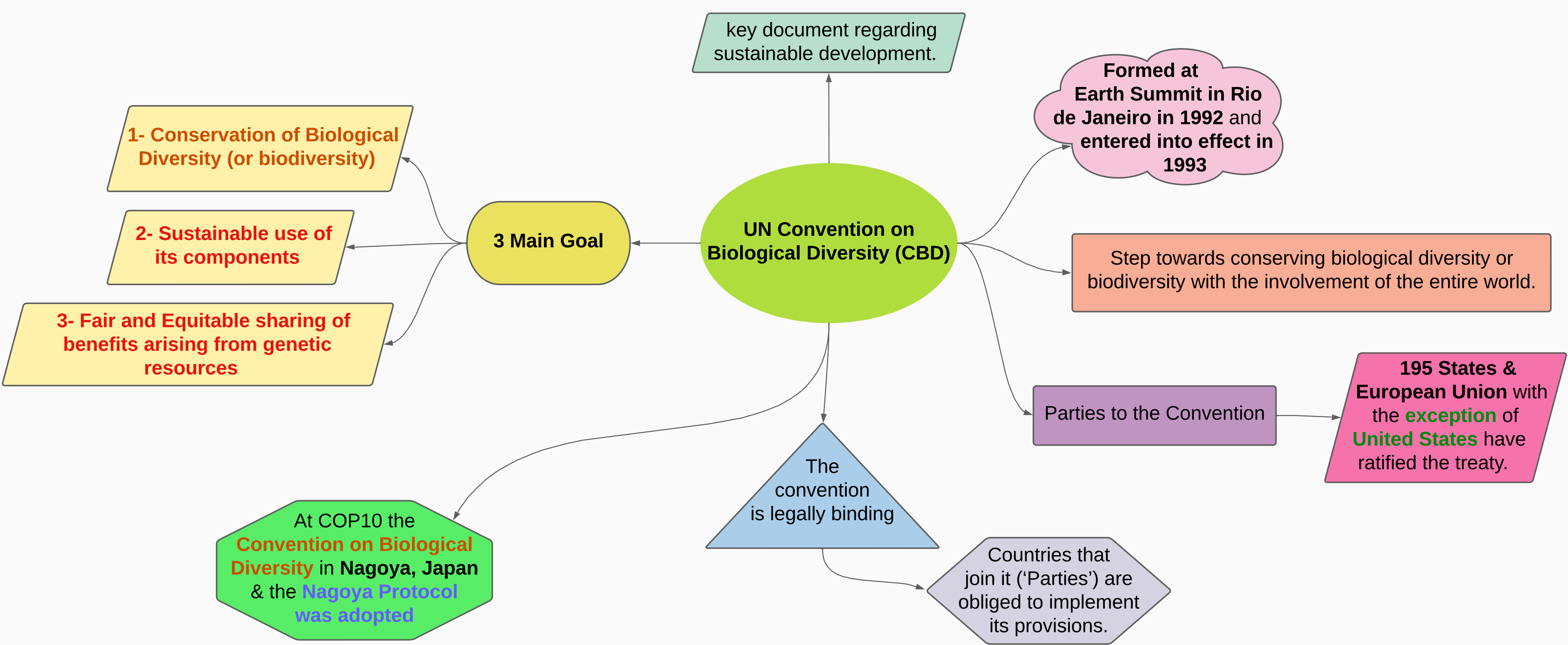
# Biodiversity Hotspots

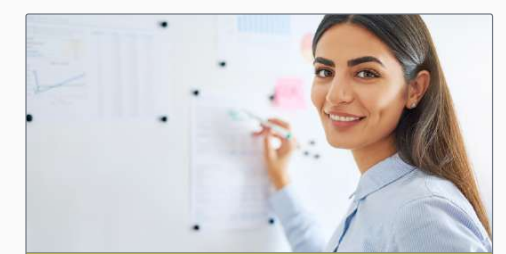
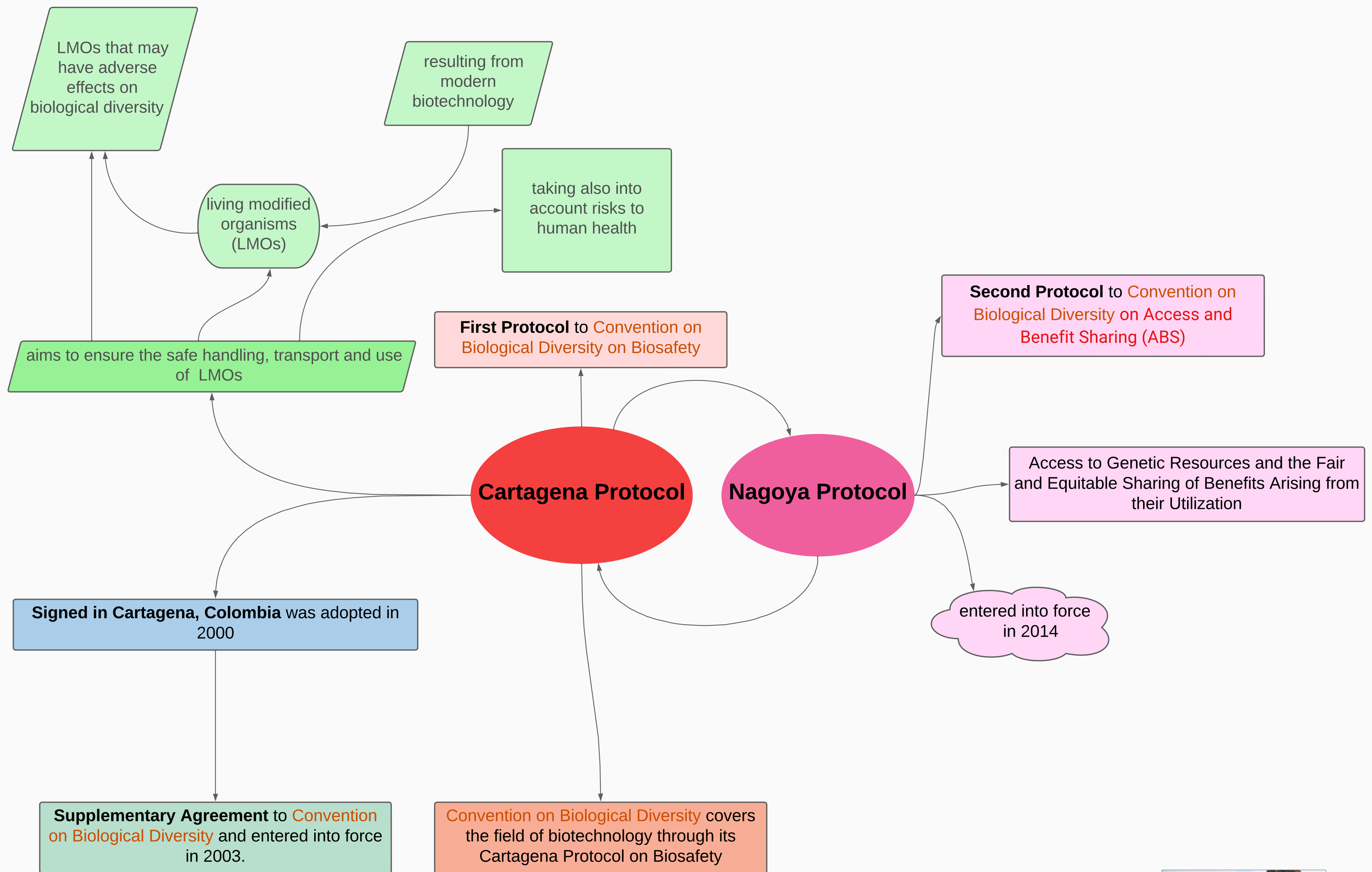




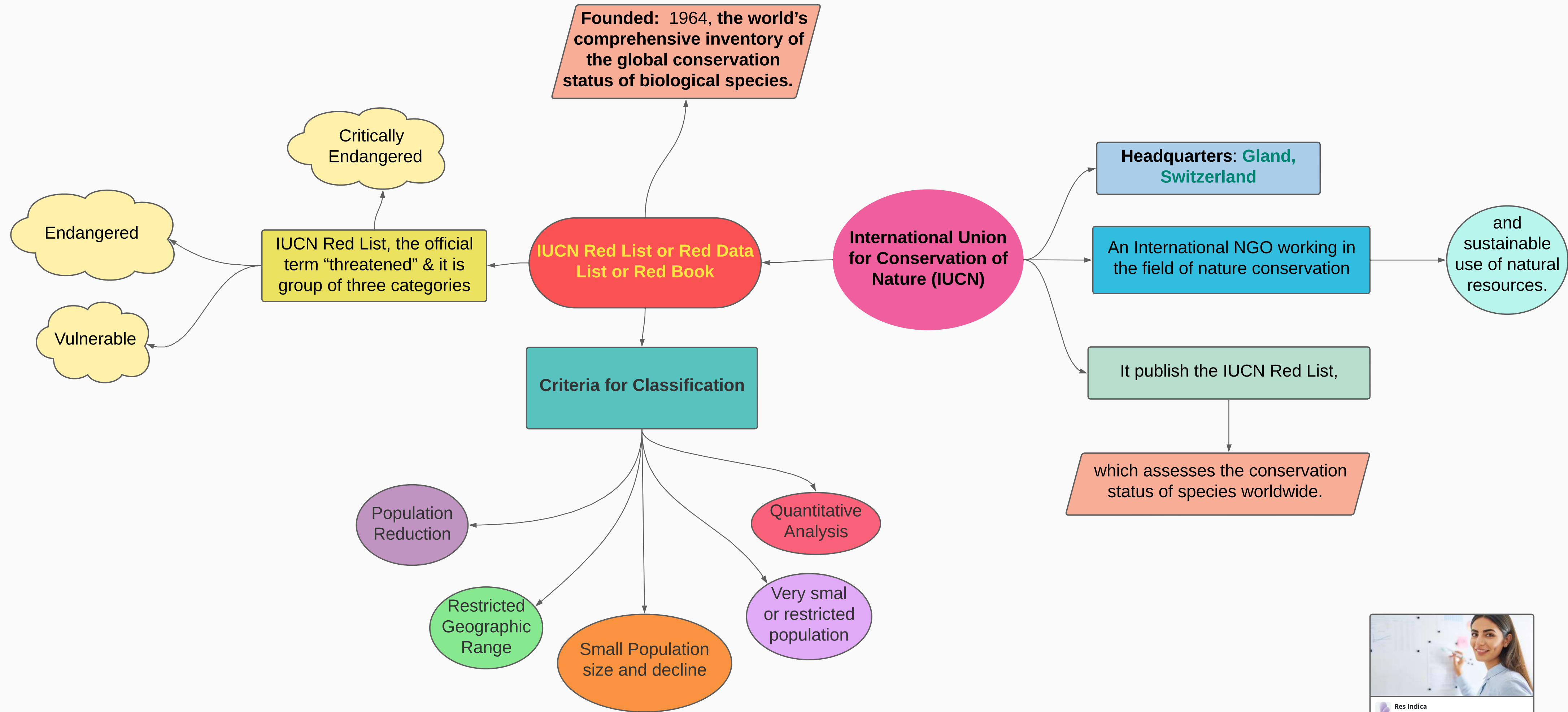
# Hope Spots





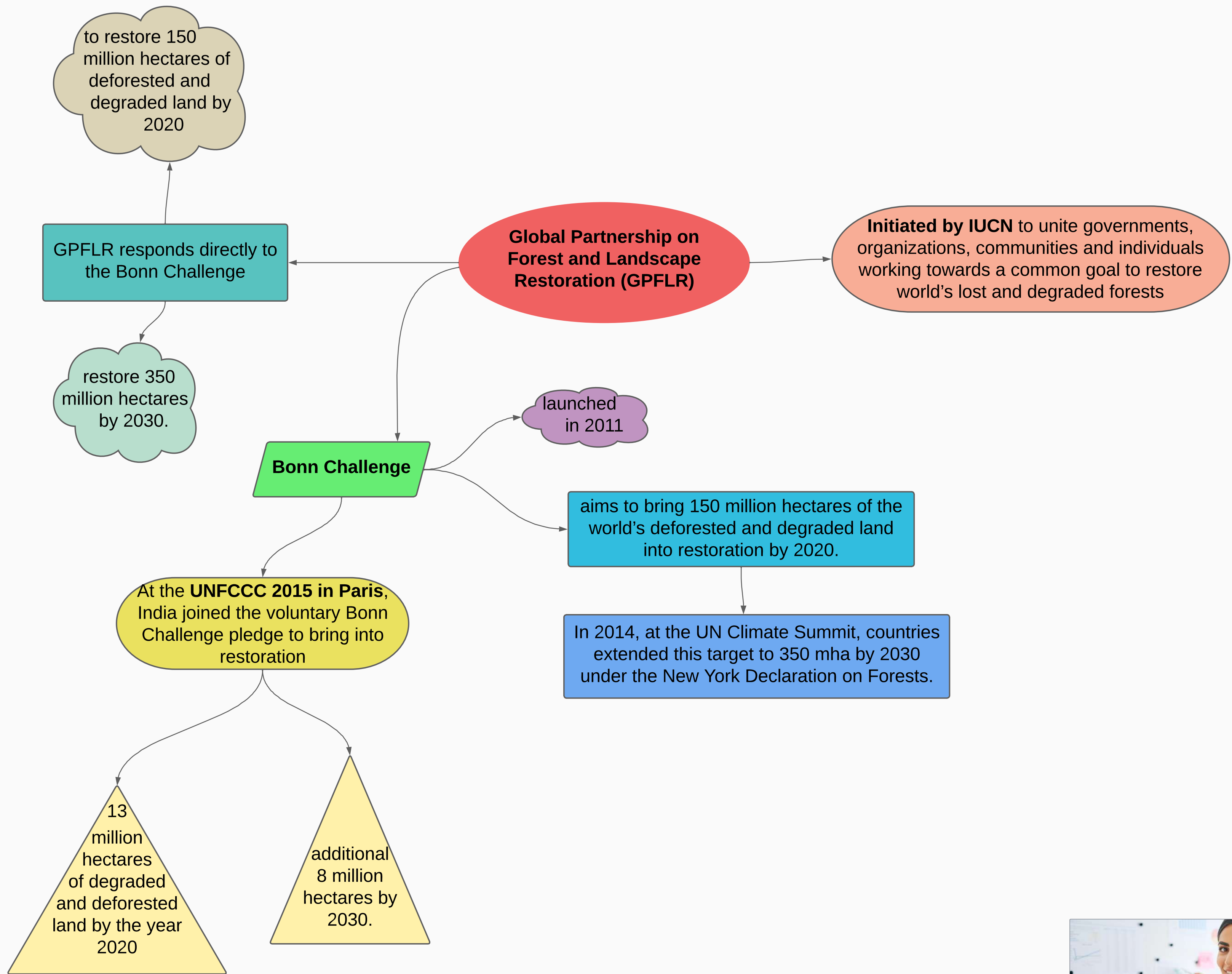


IUCN RED LIST - Part I

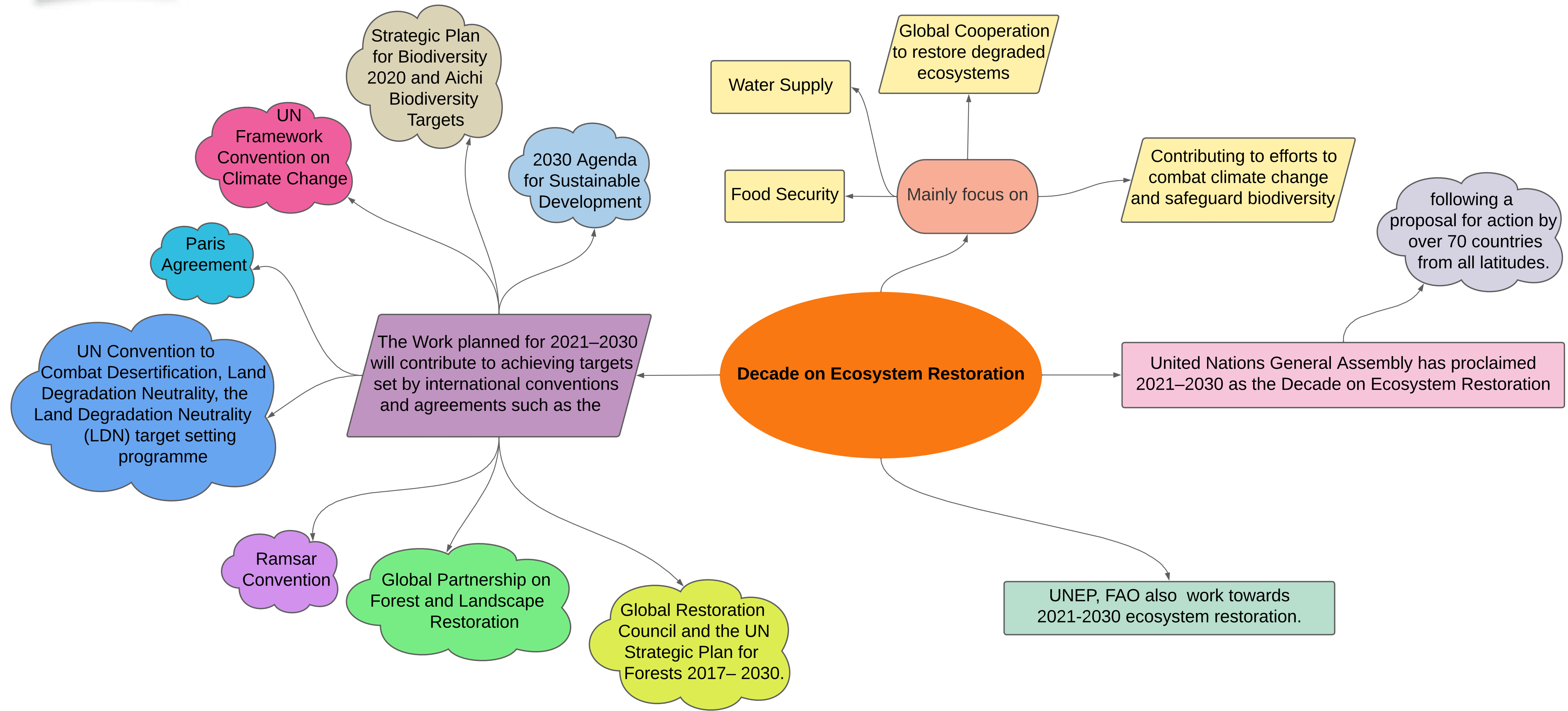


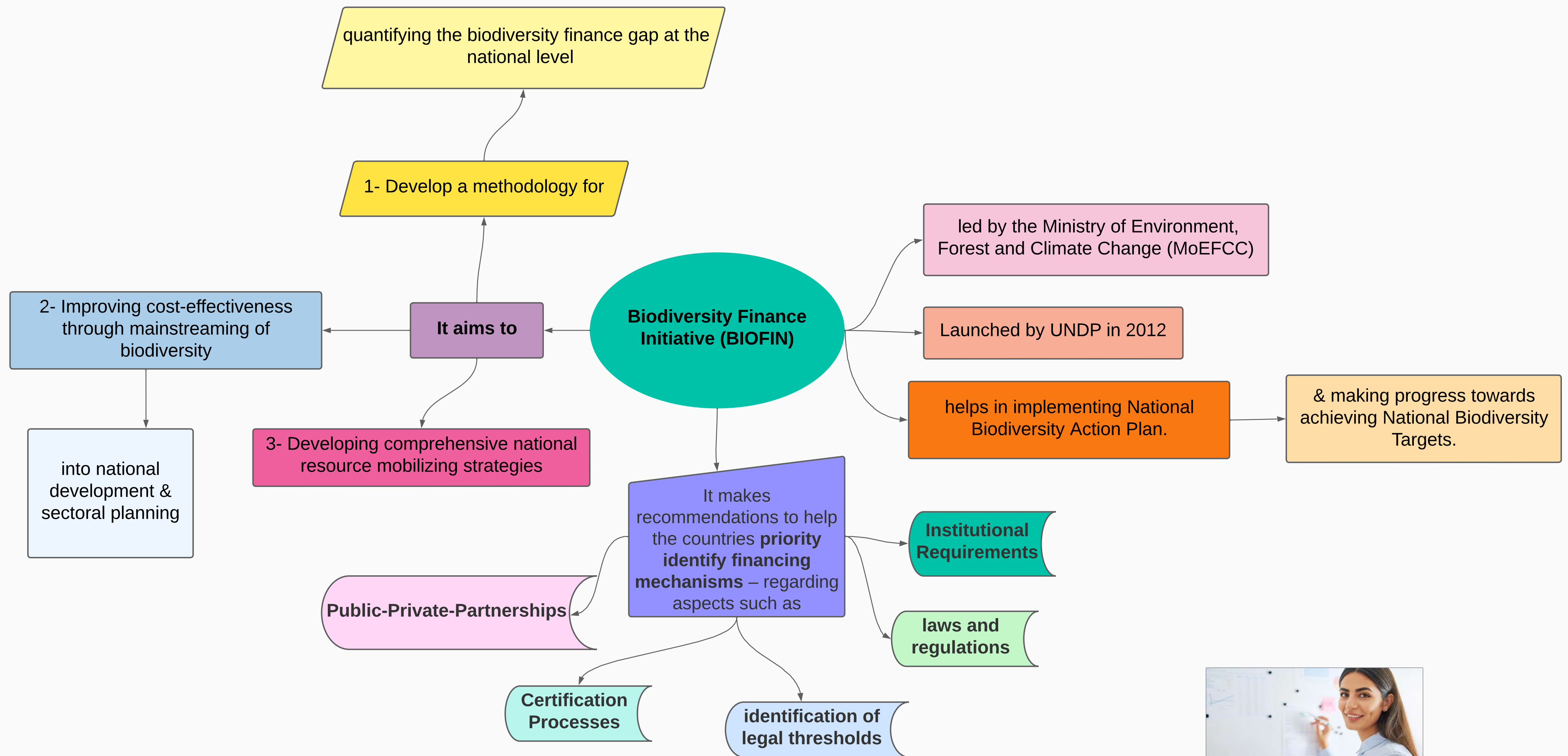
# IUCN Red List (Part II)



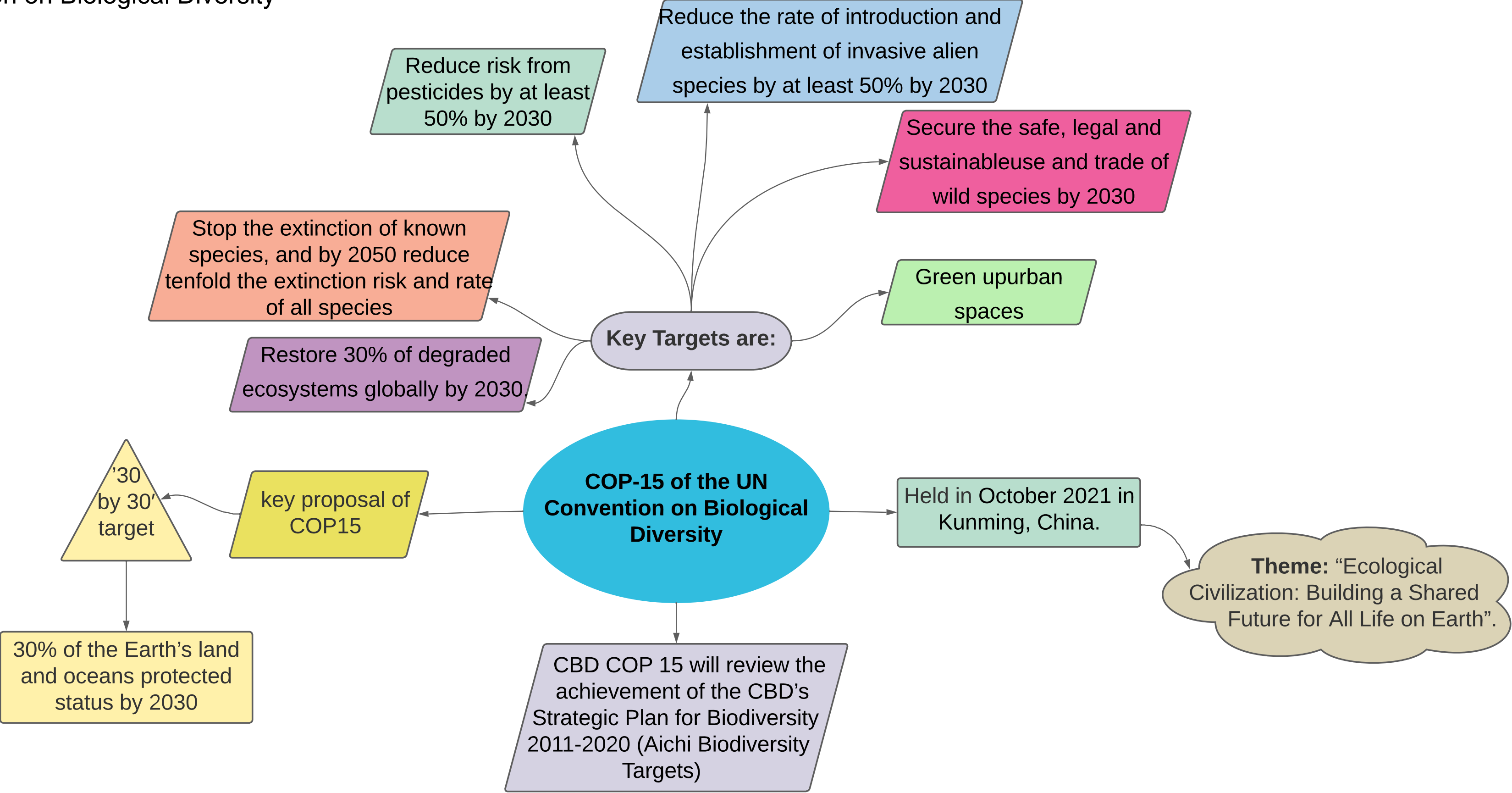


# Decade on Ecosystem Restoration









# United Nations Strategic Plan for Forests 2017–2030

