ATTACHMENT A

MetroGIS CONCEPT MAPS

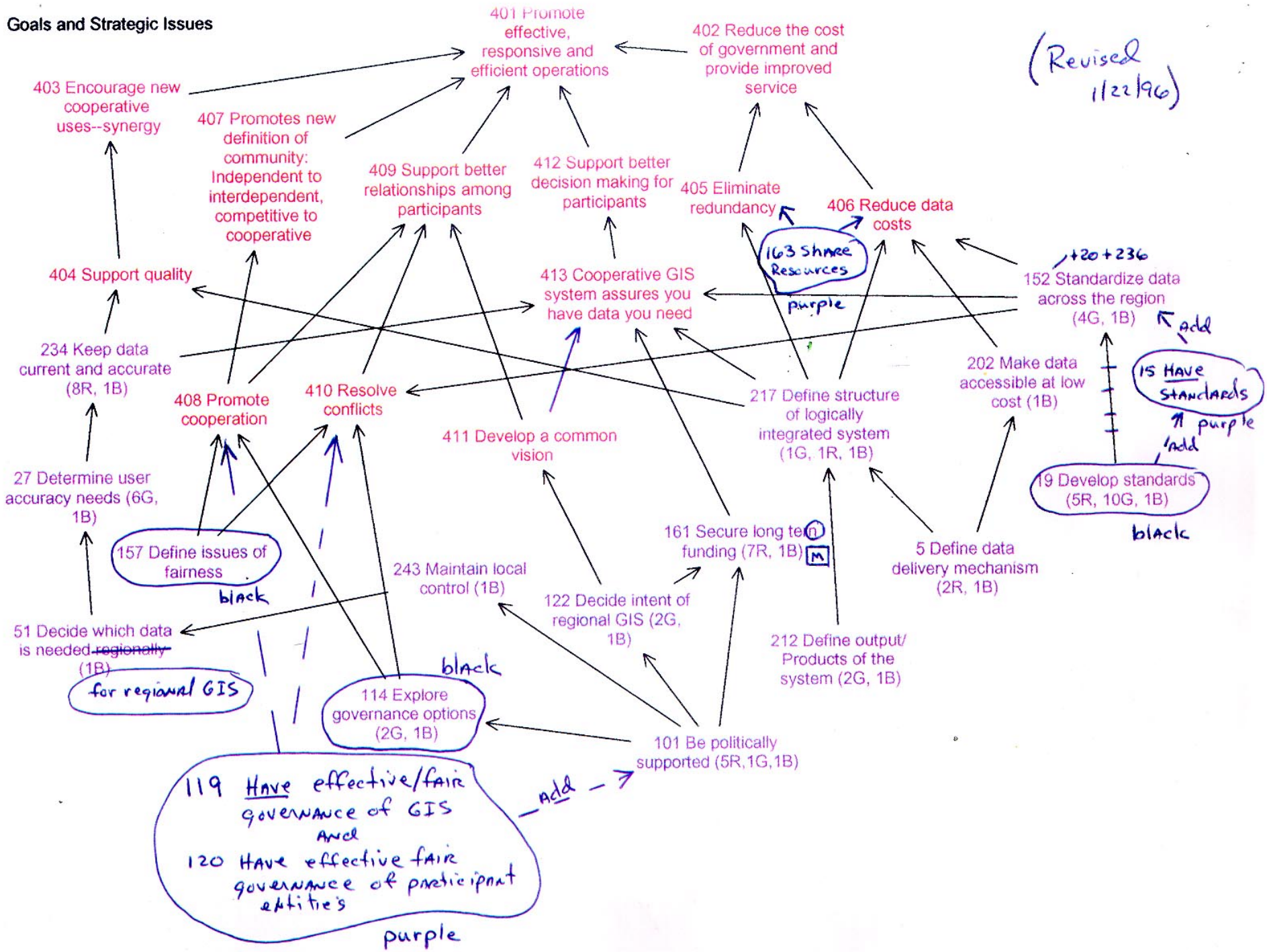
(AS CREATED AT THE DECEMBER 14, 1995 STRATEGIC PLANNING RETREAT)

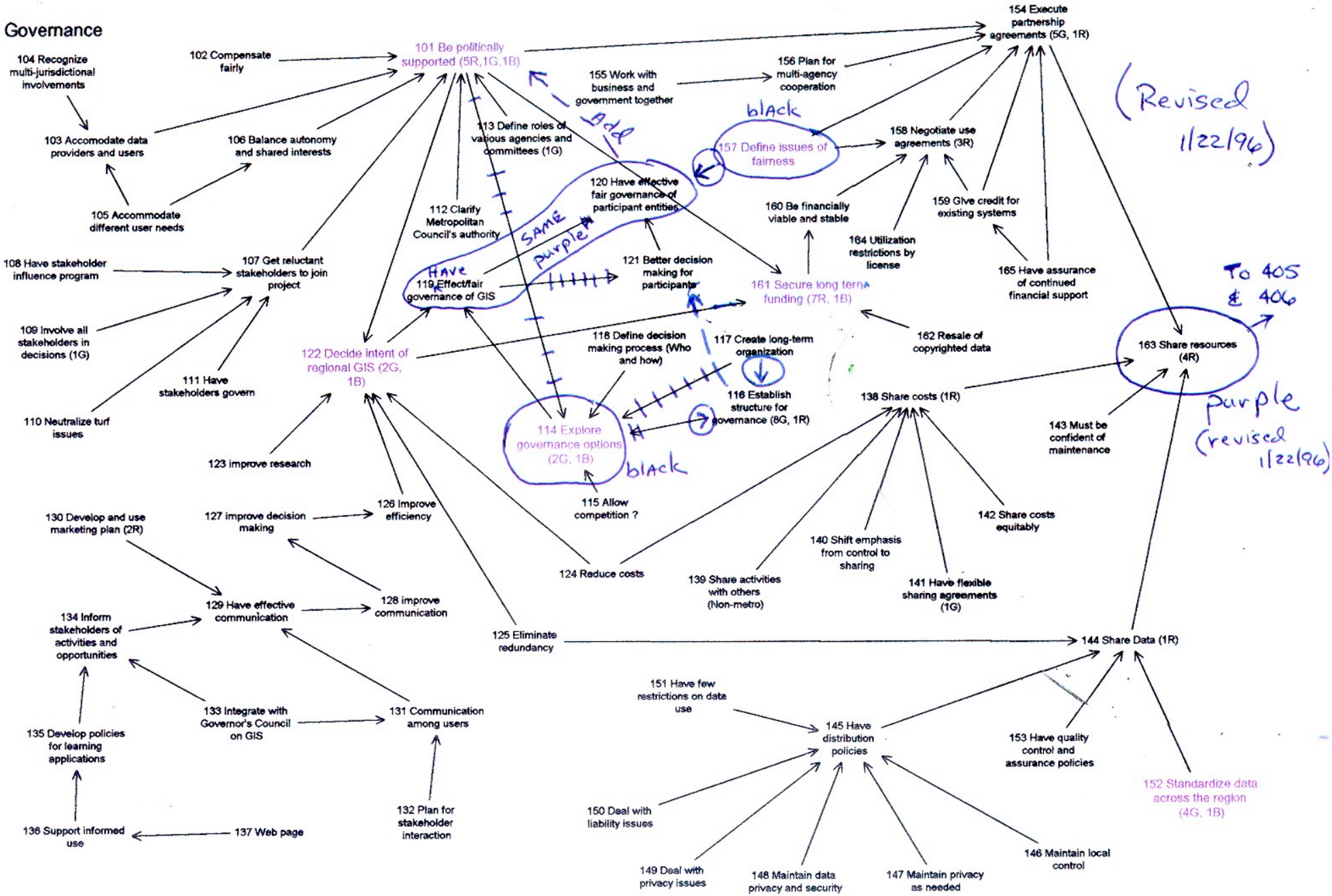
The symbols and colors on the maps have the following meanings:

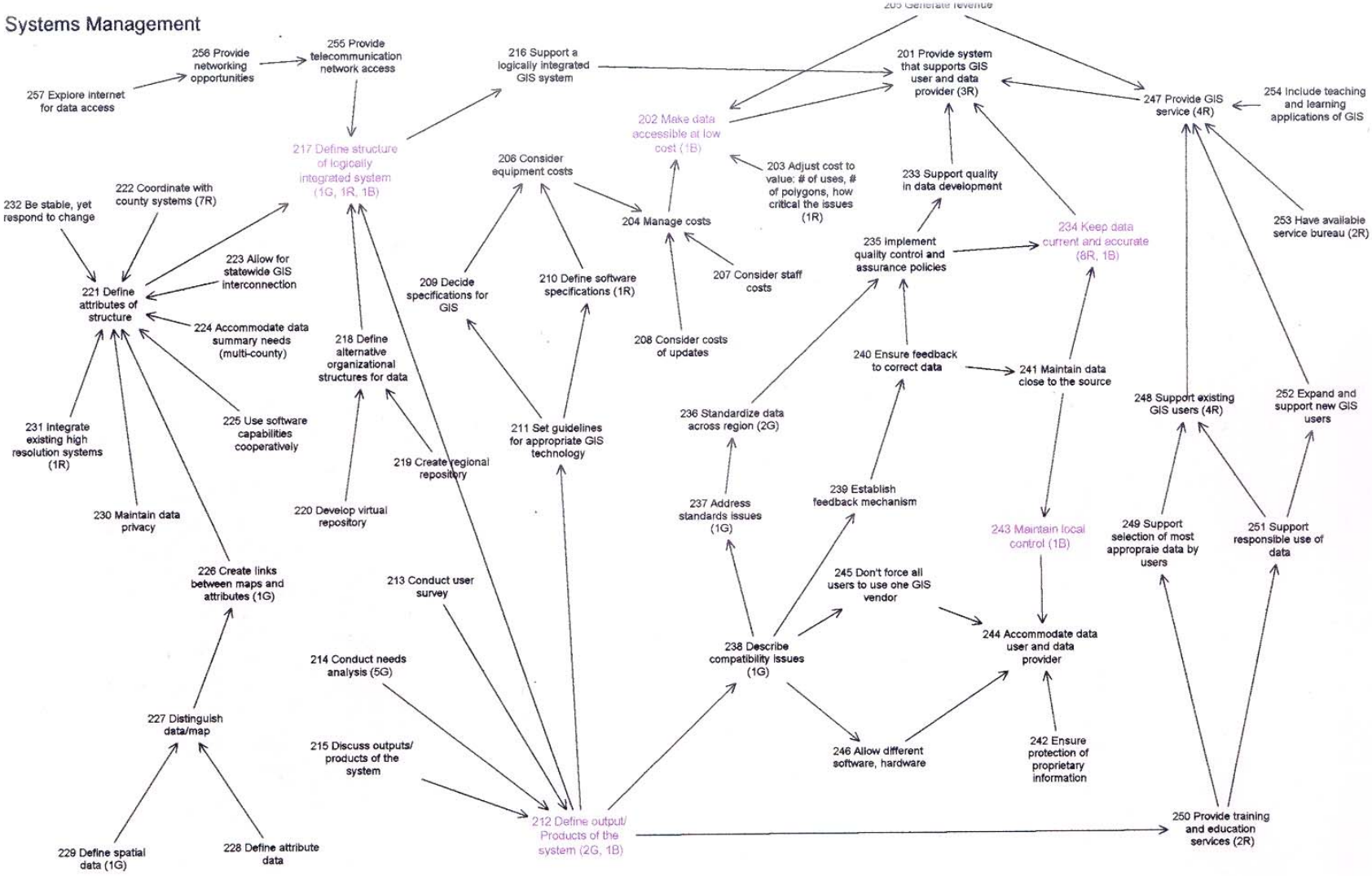
Red = Goal
Purple = Strategic Issue
(B) = Strategic Issue
(R) = Action Item -- Long Term
(G) = Action Item -- Short Term

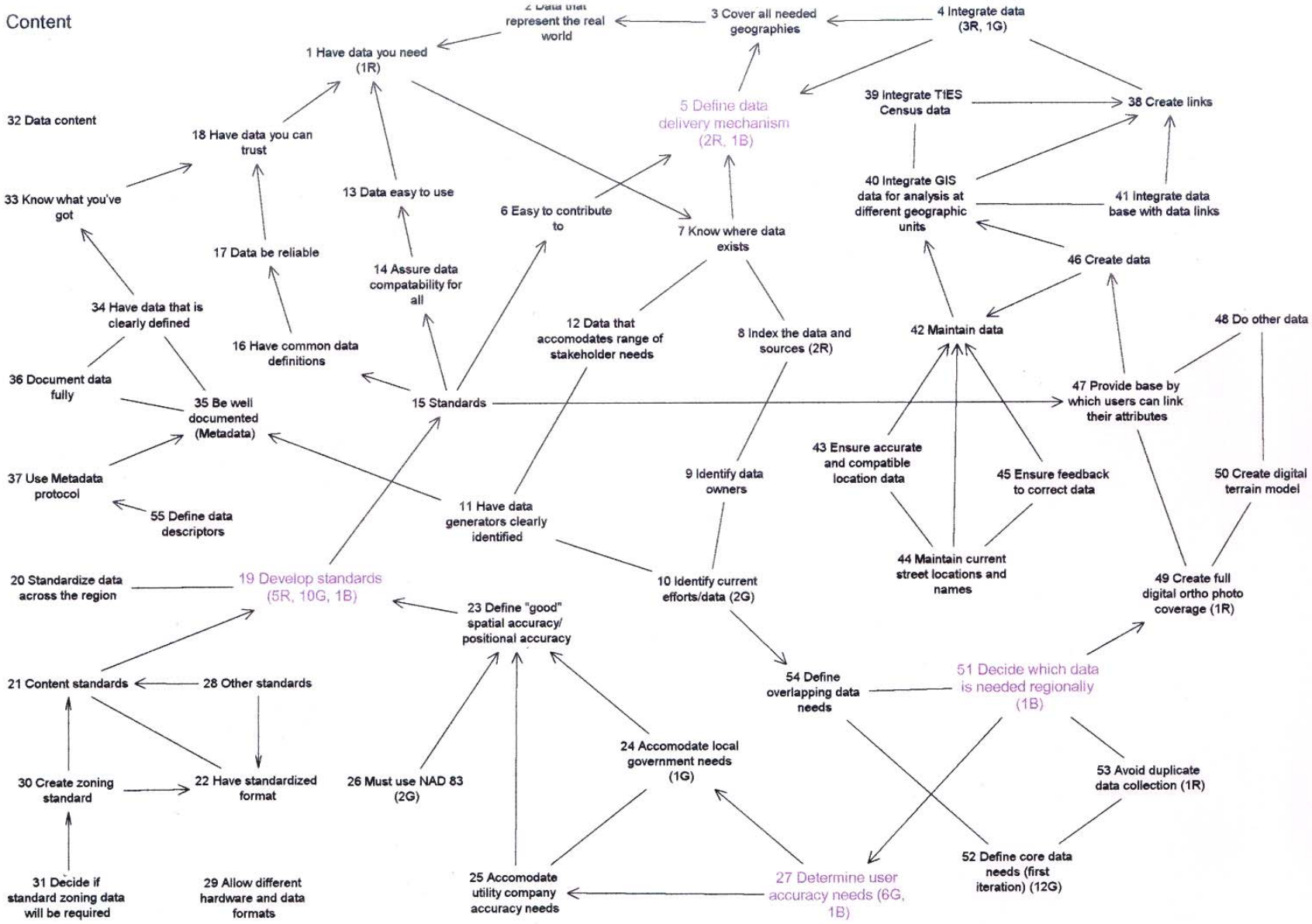
An *arrow to* a concept means: "may lead to" or "influences"
An arrow *from* a concept means: "consequences of an action"

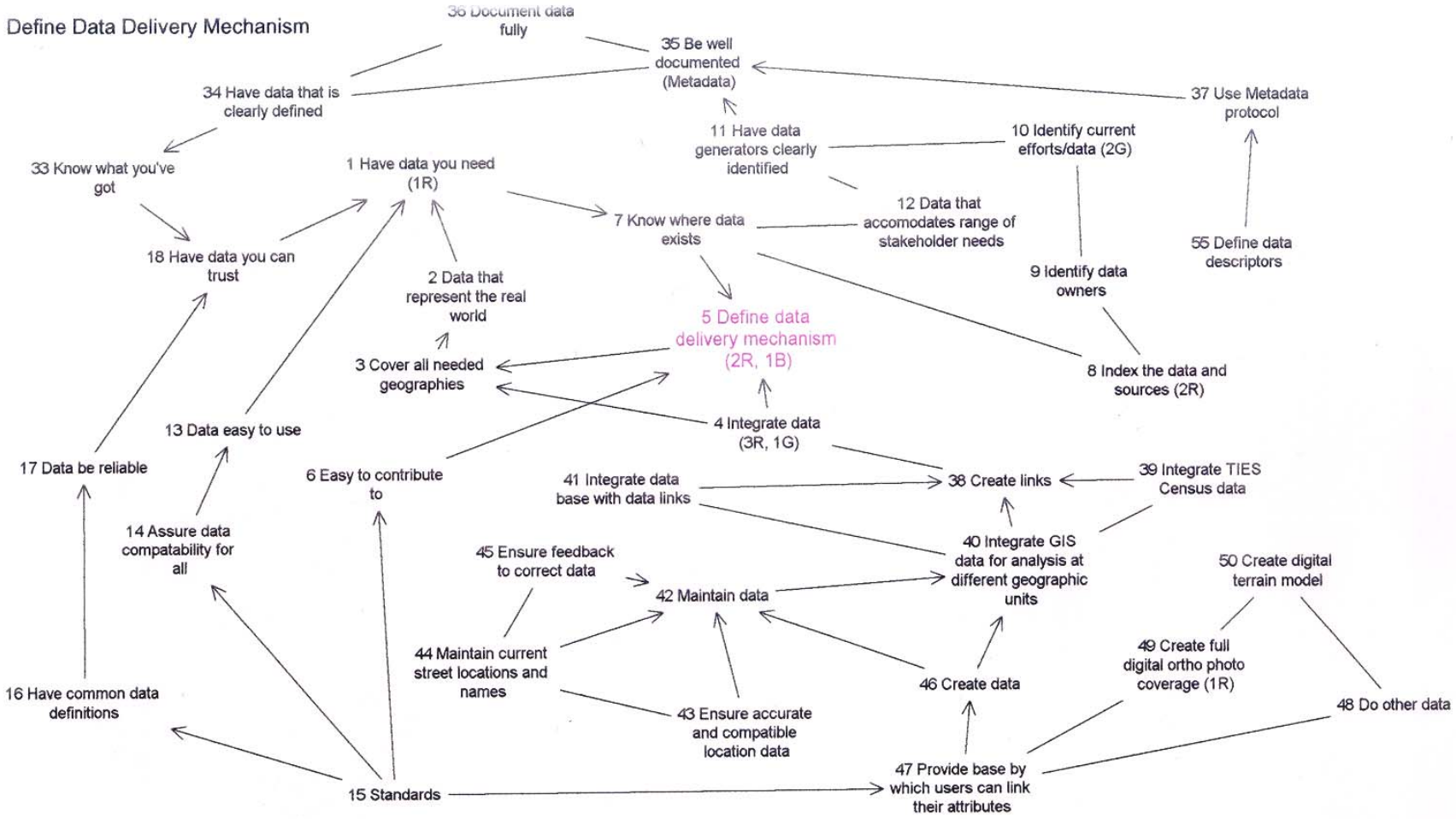
Goals and Strategic Issues




Governance
104 Recognize multi-jurisdictional involvements
102 Compensate fairly
101 Be politically supported (5R,1G,1B)
154 Execute partnership agreements (5G, 1R)
155 Work with business and government together
156 Plan for multi-agency cooperation
(Revised 1/22/96)
103 Accomodate data providers and users
106 Balance autonomy and shared interests
113 Define roles of various agencies and committees (1G)
Add
black
157 Define issues of fairness
158 Negotiate use agreements (3R)
105 Accommodate different user needs
112 Clarify Metropolitan Council's authority
120 Have effective fair governance of participant entities
same
purple
160 Be financially viable and stable
159 Give credit for existing systems
164 Utilization restrictions by license
108 Have stakeholder influence program
107 Get reluctant stakeholders to join project
Have
119 Effect/fair governance of GIS
121 Better decision making for participants
161 Secure long term funding (7R, 1B)
165 Have assurance of continued financial support
To 405 & 406
109 Involve all stakeholders in decisions (1G)
118 Define decision making process (Who and how)
117 Create long-term organization
162 Resale of copyrighted data
163 Share resources (4R)
122 Decide intent of regional GIS (2G, 1B)
111 Have stakeholders govern
116 Establish structure for governance (8G, 1R)
138 Share costs (1R)
purple (revised 1/22/96)
110 Neutralize turf issues
114 Explore governance options (2G, 1B)
143 Must be confident of maintenance
123 improve research
black
115 Allow competition ?
130 Develop and use marketing plan (2R)
127 improve decision making
126 Improve efficiency
142 Share costs equitably
124 Reduce costs
140 Shift emphasis from control to sharing
139 Share activities with others (Non-metro)
141 Have flexible sharing agreements (1G)
129 Have effective communication
128 improve communication
134 Inform stakeholders of activities and opportunities
125 Eliminate redundancy
144 Share Data (1R)
151 Have few restrictions on data use
133 Integrate with Governor's Council on GIS
131 Communication among users
145 Have distribution policies
153 Have quality control and assurance policies
135 Develop policies for learning applications
152 Standardize data across the region (4G, 1B)
132 Plan for stakeholder interaction
150 Deal with liability issues
136 Support informed use
137 Web page
146 Maintain local control
149 Deal with privacy issues
148 Maintain data privacy and security
147 Maintain privacy as needed


Systems Management
205 Generate revenue
256 Provide networking opportunities
255 Provide telecommunication network access
216 Support a logically integrated GIS system
201 Provide system that supports GIS user and data provider (3R)
247 Provide GIS service (4R)
254 Include teaching and learning applications of GIS
257 Explore internet for data access
202 Make data accessible at low cost (1B)
217 Define structure of logically integrated system (1G, 1R, 1B)
206 Consider equipment costs
203 Adjust cost to value: # of uses, # of polygons, how critical the issues (1R)
233 Support quality in data development
253 Have available service bureau (2R)
232 Be stable, yet respond to change
222 Coordinate with county systems (7R)
204 Manage costs
235 Implement quality control and assurance policies
234 Keep data current and accurate (8R, 1B)
223 Allow for statewide GIS interconnection
209 Decide specifications for GIS
210 Define software specifications (1R)
207 Consider staff costs
221 Define attributes of structure
224 Accommodate data summary needs (multi-county)
208 Consider costs of updates
240 Ensure feedback to correct data
241 Maintain data close to the source
218 Define alternative organizational structures for data
248 Support existing GIS users (4R)
252 Expand and support new GIS users
231 Integrate existing high resolution systems (1R)
225 Use software capabilities cooperatively
211 Set guidelines for appropriate GIS technology
236 Standardize data across region (2G)
219 Create regional repository
239 Establish feedback mechanism
230 Maintain data privacy
220 Develop virtual repository
237 Address standards issues (1G)
243 Maintain local control (1B)
249 Support selection of most appropriate data by users
251 Support responsible use of data
226 Create links between maps and attributes (1G)
213 Conduct user survey
245 Don't force all users to use one GIS vendor
238 Describe compatibility issues (1G)
244 Accommodate data user and data provider
214 Conduct needs analysis (5G)
227 Distinguish data/map
215 Discuss outputs/ products of the system
246 Allow different software, hardware
242 Ensure protection of proprietary information
212 Define output/ Products of the system (2G, 1B)
250 Provide training and education services (2R)
229 Define spatial data (1G)
228 Define attribute data


Content
2 Data that represent the real world
3 Cover all needed geographies
4 Integrate data (3R, 1G)
1 Have data you need (1R)
32 Data content
18 Have data you can trust
5 Define data delivery mechanism (2R, 1B)
39 Integrate TIES Census data
38 Create links
33 Know what you've got
13 Data easy to use
6 Easy to contribute to
7 Know where data exists
40 Integrate GIS data for analysis at different geographic units
41 Integrate data base with data links
17 Data be reliable
14 Assure data compatability for all
46 Create data
34 Have data that is clearly defined
12 Data that accomodates range of stakeholder needs
8 Index the data and sources (2R)
42 Maintain data
48 Do other data
16 Have common data definitions
36 Document data fully
35 Be well documented (Metadata)
15 Standards
47 Provide base by which users can link their attributes
43 Ensure accurate and compatible location data
45 Ensure feedback to correct data
50 Create digital terrain model
37 Use Metadata protocol
55 Define data descriptors
11 Have data generators clearly identified
9 Identify data owners
44 Maintain current street locations and names
20 Standardize data across the region
19 Develop standards (5R, 10G, 1B)
10 Identify current efforts/data (2G)
49 Create full digital ortho photo coverage (1R)
23 Define "good" spatial accuracy/ positional accuracy
21 Content standards
28 Other standards
54 Define overlapping data needs
51 Decide which data is needed regionally (1B)
24 Accomodate local government needs (1G)
30 Create zoning standard
22 Have standardized format
26 Must use NAD 83 (2G)
53 Avoid duplicate data collection (1R)
52 Define core data needs (first iteration) (12G)
31 Decide if standard zoning data will be required
29 Allow different hardware and data formats
25 Accomodate utility company accuracy needs
27 Determine user accuracy needs (6G, 1B)


Define Data Delivery Mechanism
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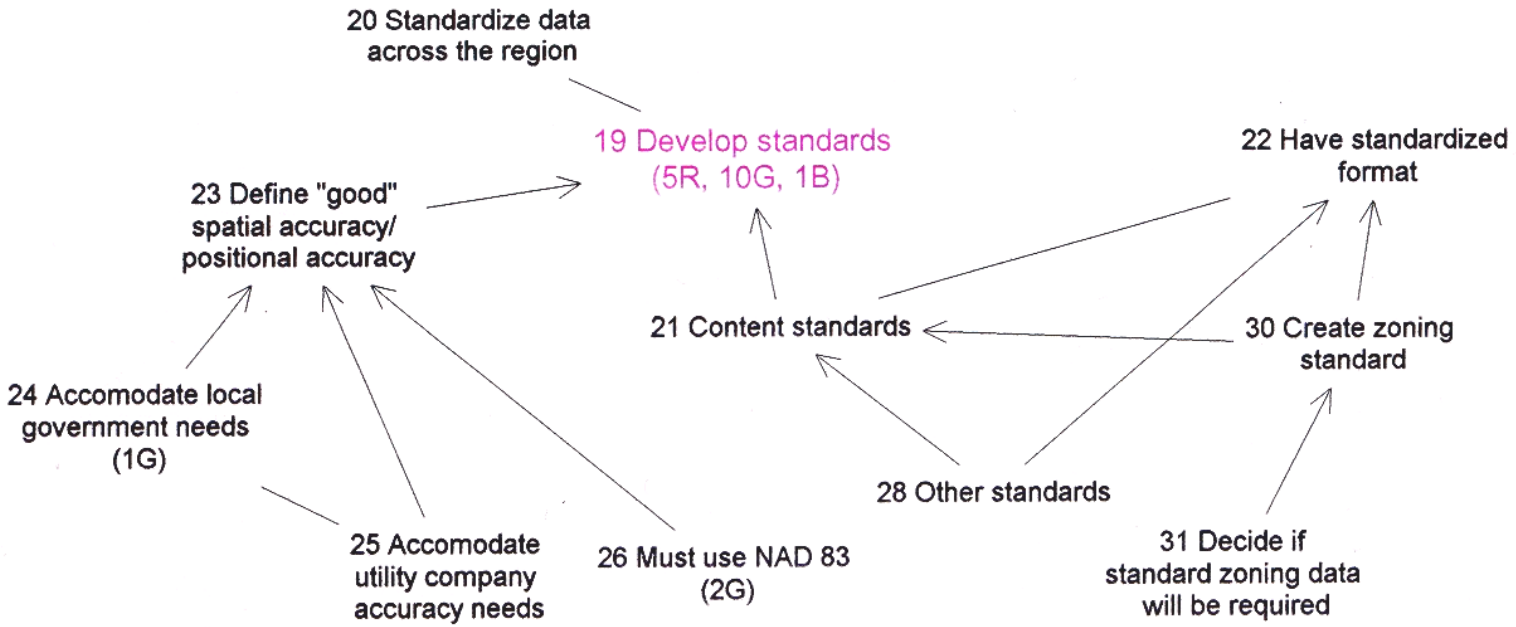
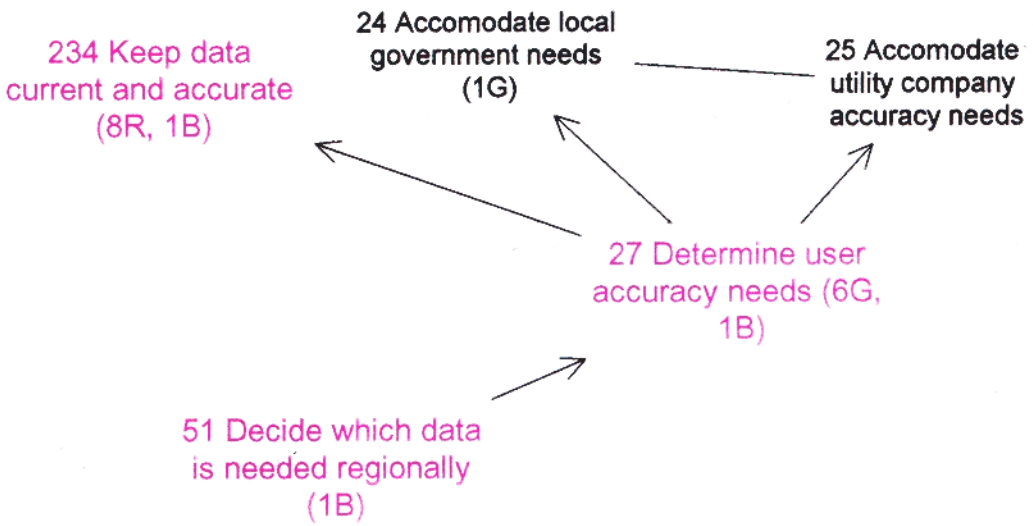
15 Standards

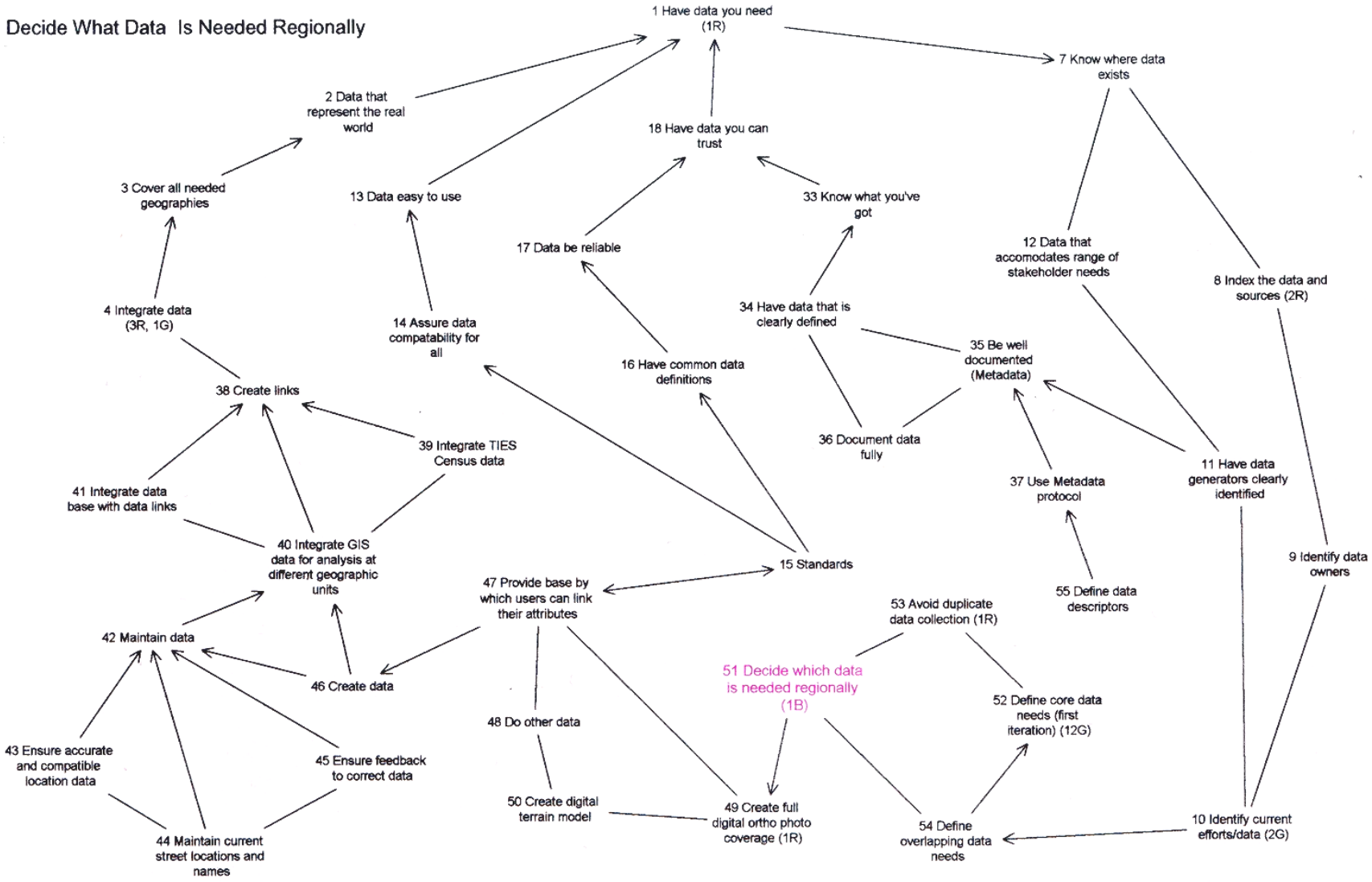
Develop Standards



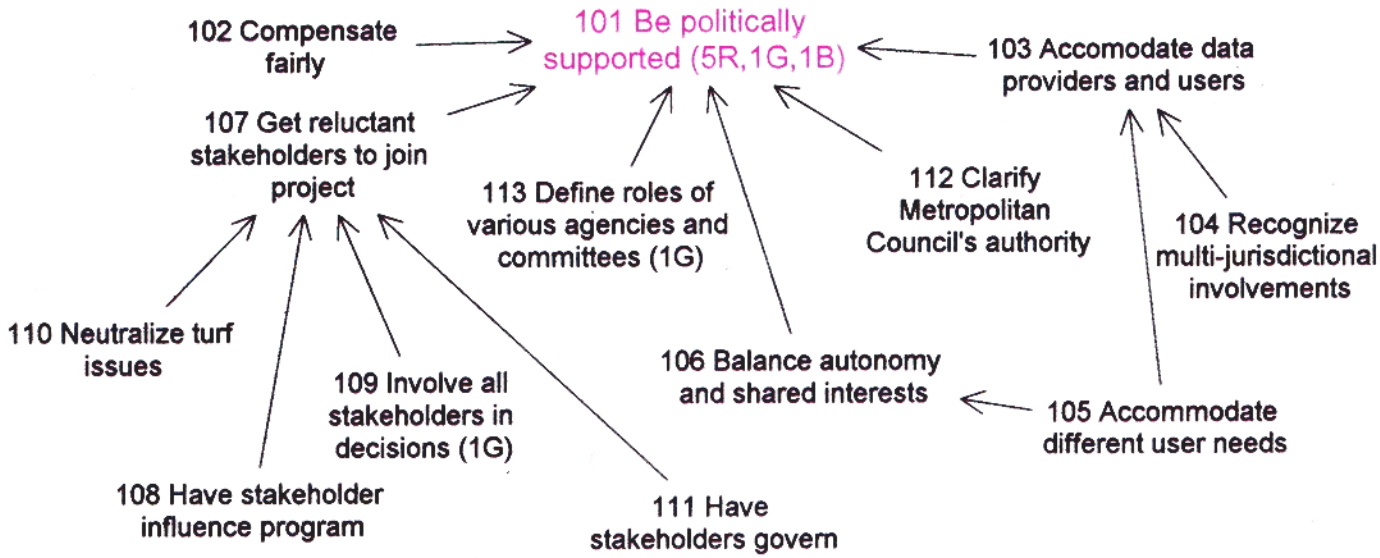
Determine User Accuracy Needs



Decide What Data Is Needed Regionally

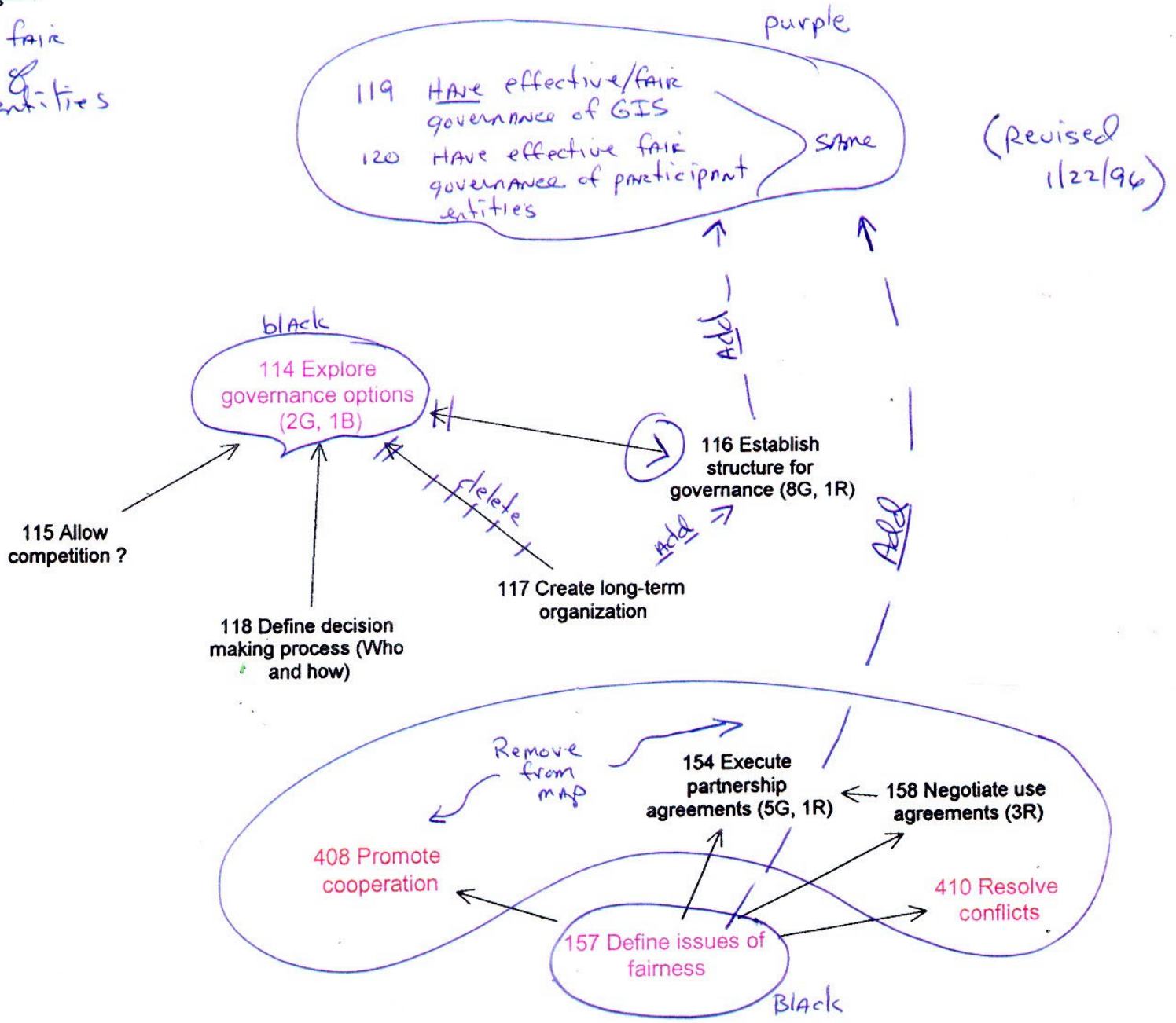


Be Politically Supported

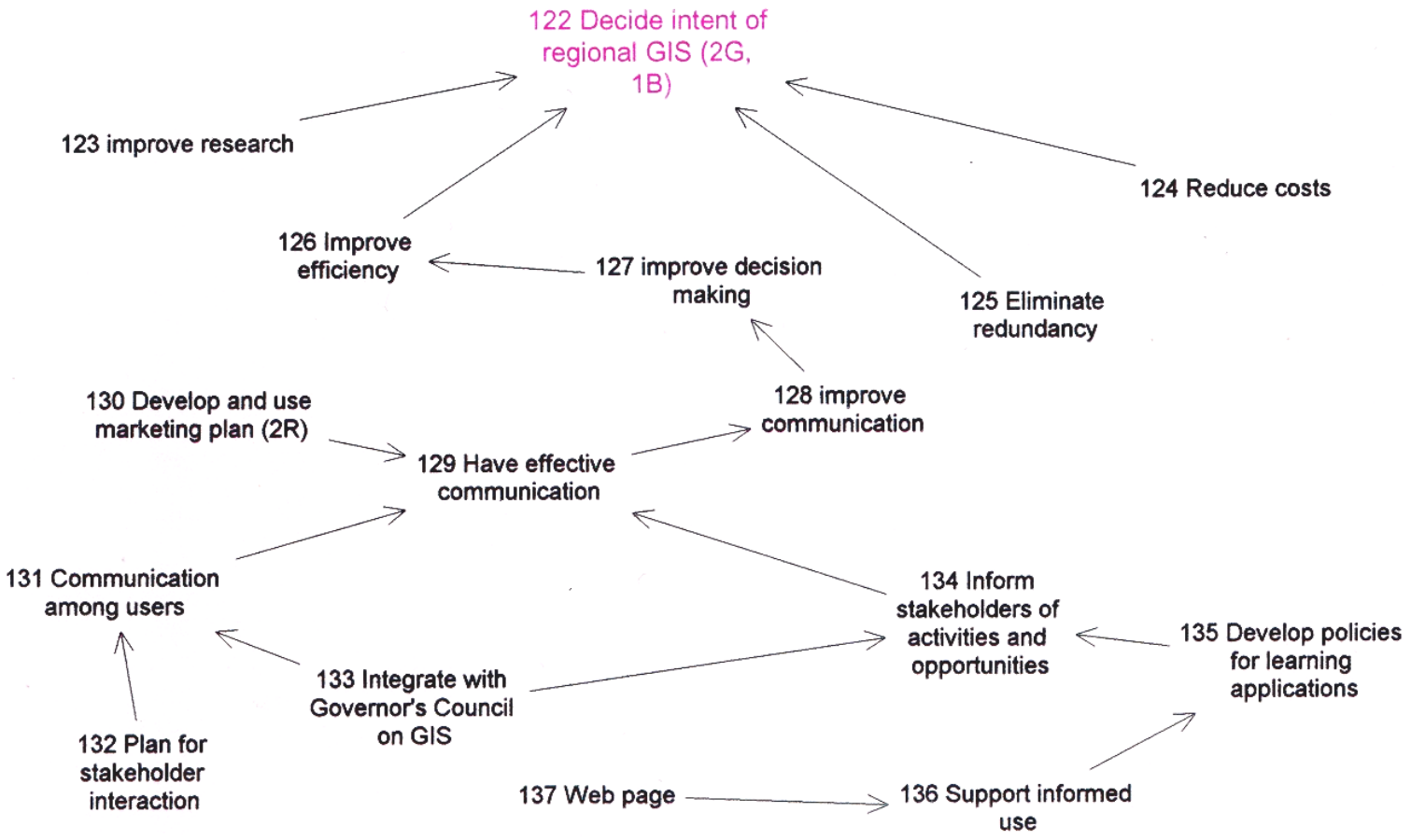


~~Explore Governance Options~~

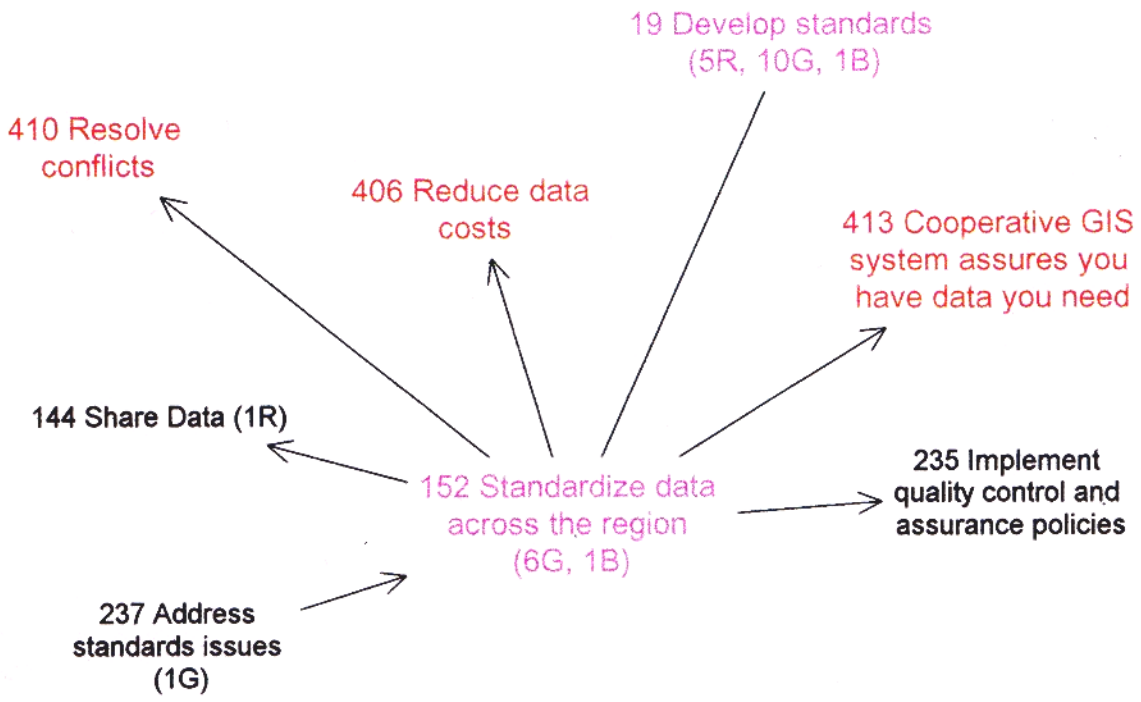
Have effective fair governance of participant entities



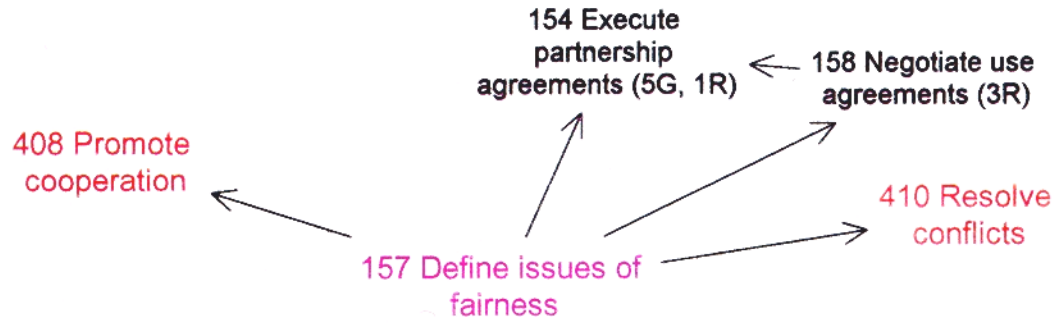
Decide Intent of Regional GIS



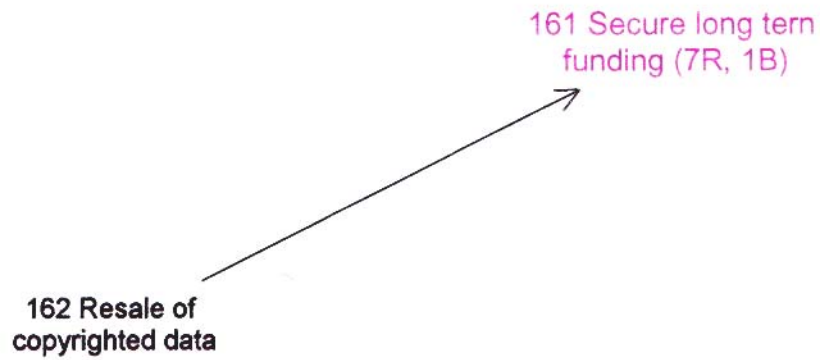
Standardize Data Across The Region



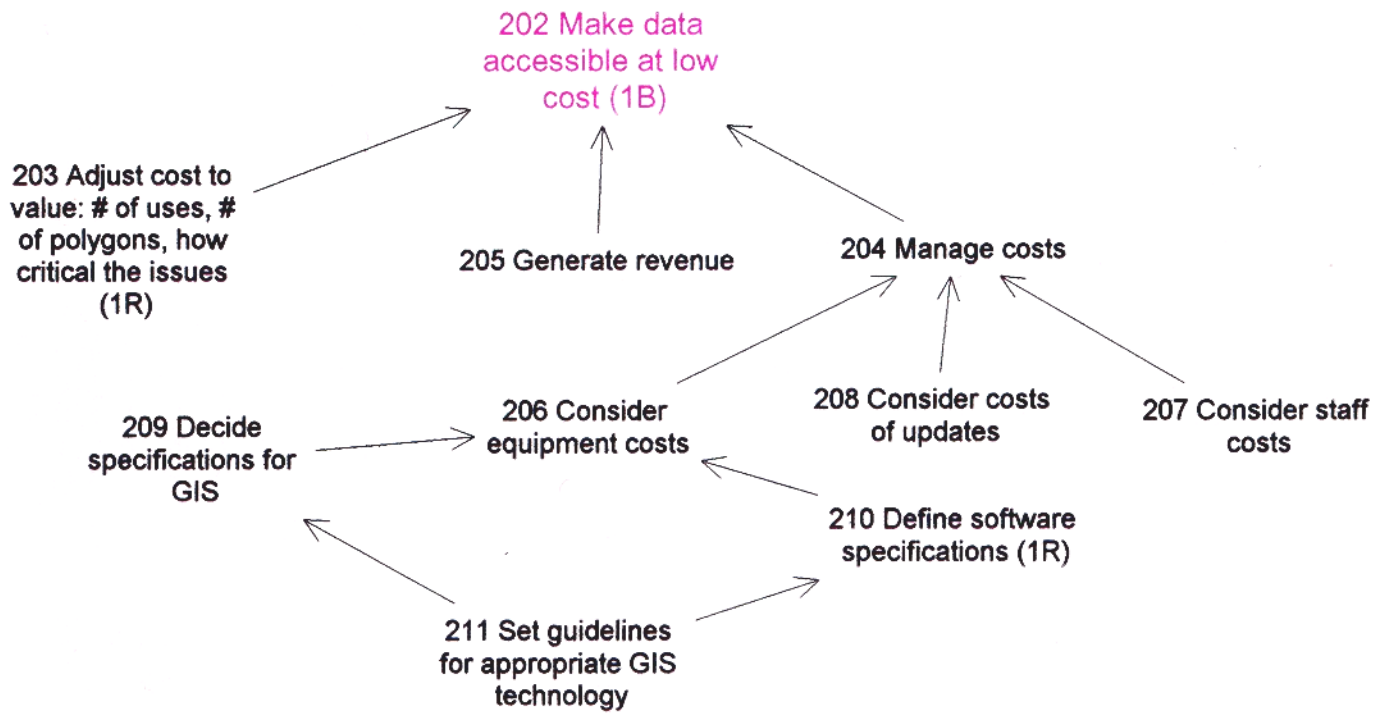
Define Issues of Fairness



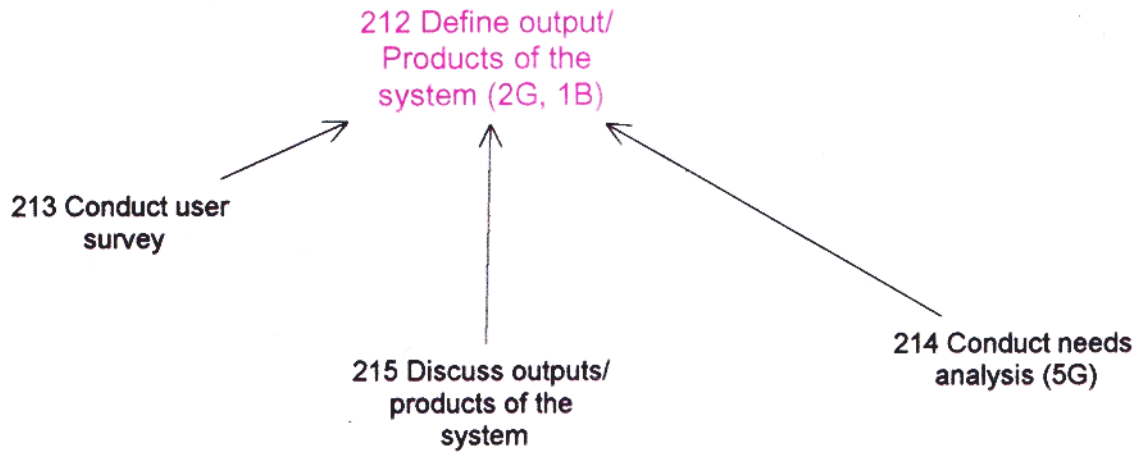
Secure Long Term Funding



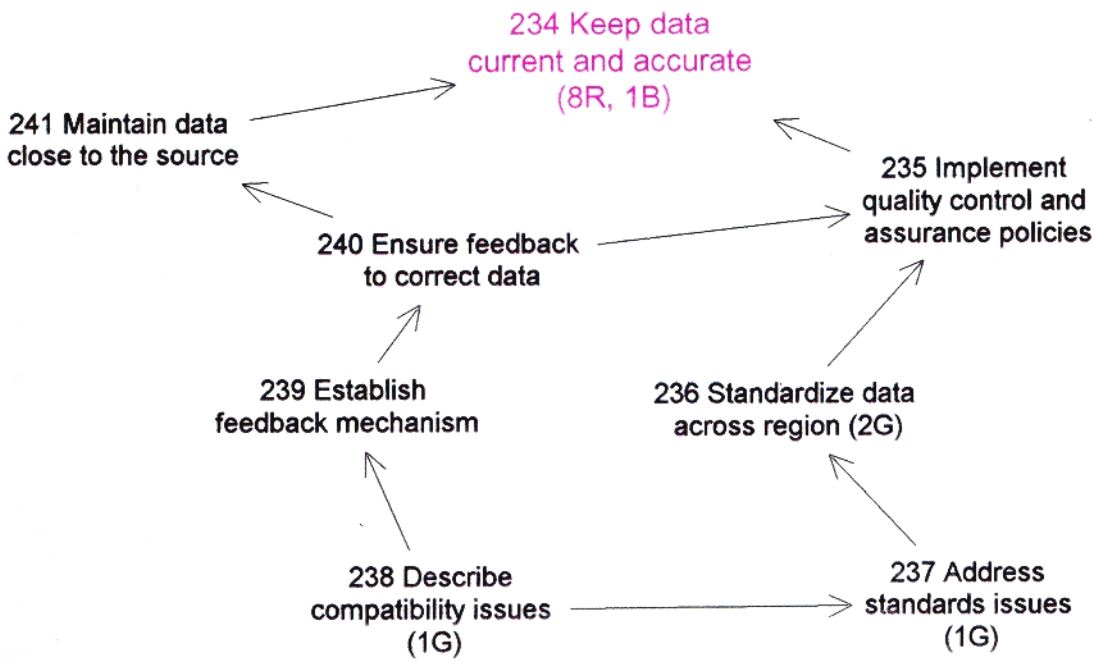
Make Data Accessible At Low Cost



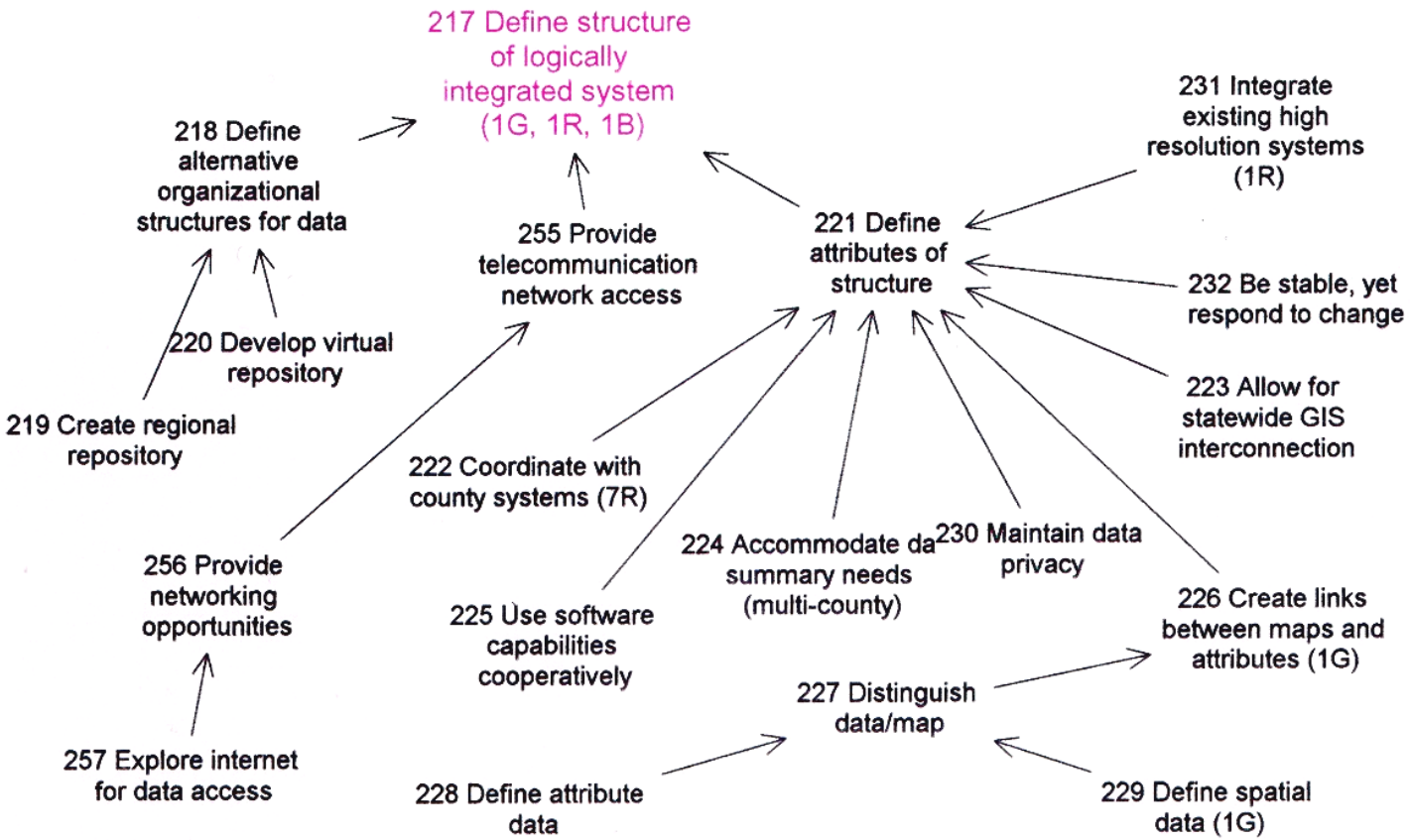
Define Output/Products of the System



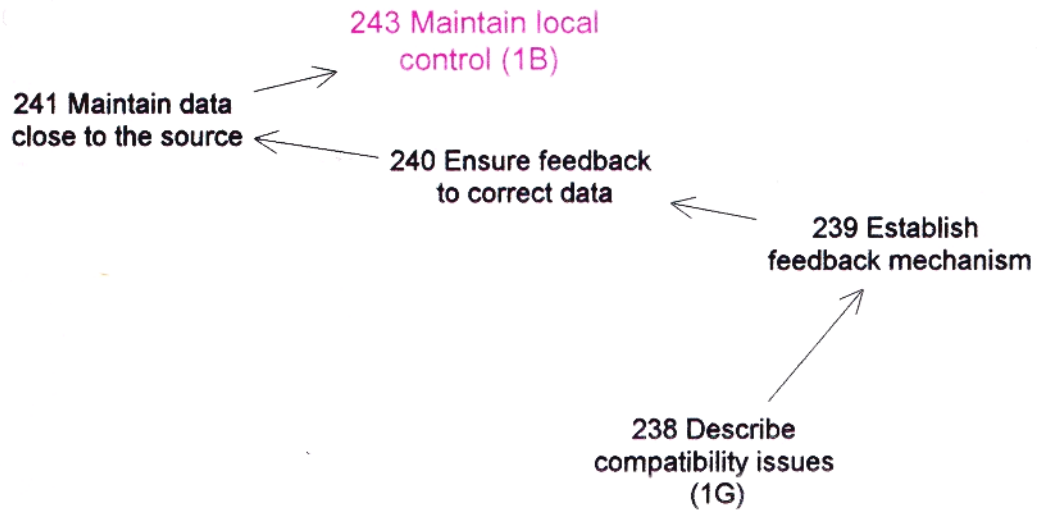
Keep Data Current And Accurate



Define Structure Of Logically Integrated System



Maintain Local Control



REDS, GREENS AND BLUES LIST

Red = Long Term
Green = Short Term
Blue = Strategic Issue

GREENS

(listed in decending order of votes)

52=Define core data needs (first iteration) (12G)
19=Develop standards (5R, 10G, 1B)
116=Establish structure for governance (8G, 1R)
27=Determine user accuracy needs (6G, 1B)
154=Execute partnership agreements (5G, 1R)
214=Conduct needs analysis (5G)
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217=Define structure of logically integrated system (1G, 1R, 1B)
226=Create links between maps and attributes (1G)
229=Define spatial data (1G)
237=Address standards issues (1G)
238=Describe compatibility issues (1G)

note:
20/152/236
collapsed into 152

REDS

(listed in decending order of votes)

234=Keep data current and accurate (8R, 1B)
222=Coordinate with county systems (7R)
161=Secure long tern funding (7R, 1B)
101=Be politically supported (5R,1G,1B)
19=Develop standards (5R, 10G, 1B)
247=Provide GIS service (4R)
248=Support existing GIS users (4R)
163=Share resources (4R)
4=Integrate data (3R, 1G)

158=Negotiate use agreements (3R)
201=Provide system that supports GIS user and data provider (3R)
8=Index the data and sources (2R)
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253=Have available service bureau (2R)
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210=Define software specifications (1R)
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