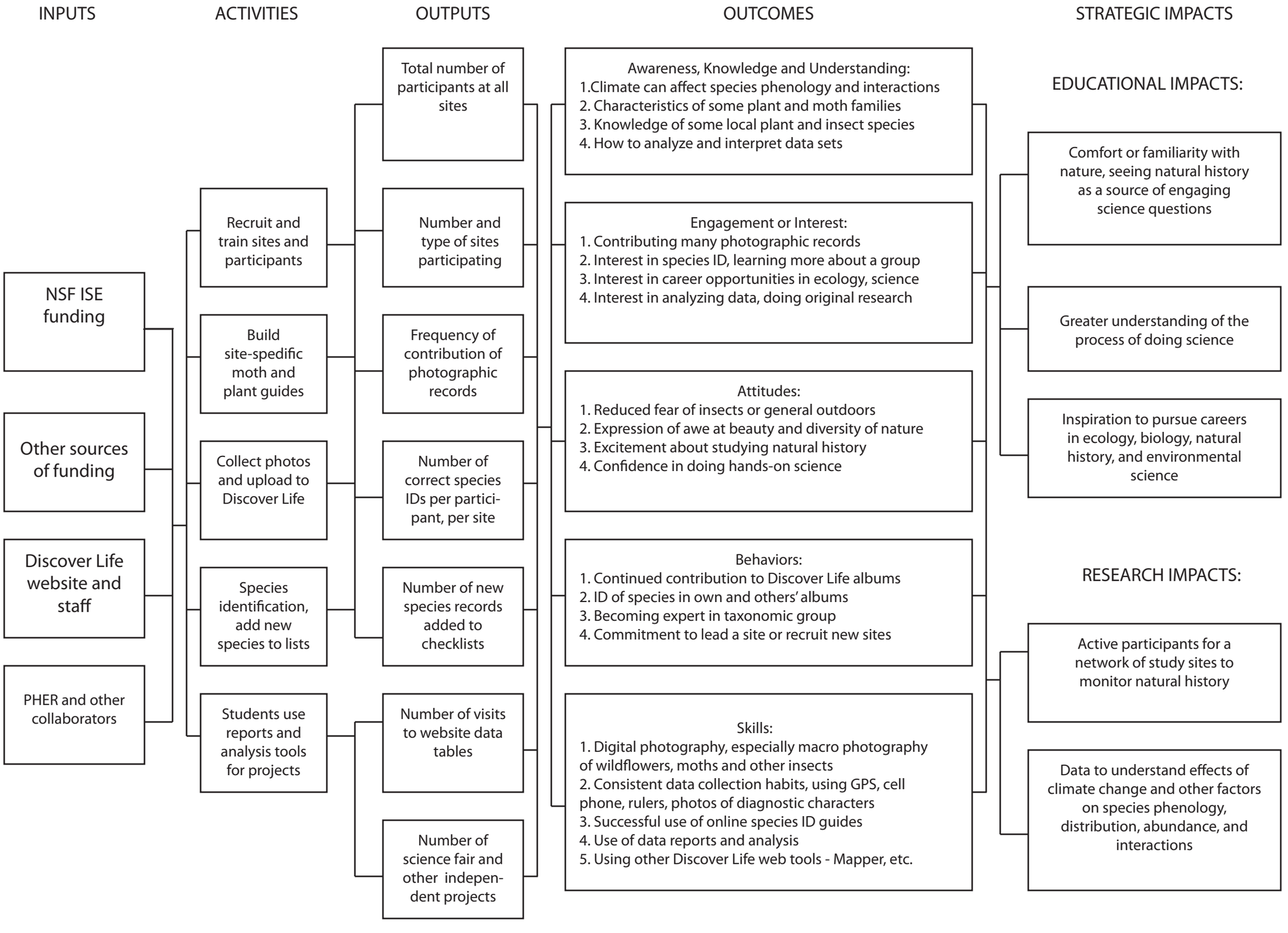
INPUTS
ACTIVITIES
OUTPUTS
OUTCOMES
STRATEGIC IMPACTS
NSF ISE funding
Other sources of funding
Discover Life website and staff
PHER and other collaborators
Recruit and train sites and participants
Build site-spedific moth and plant guides
Collect photos and upload to Discover Life
Species identification, add new species to lists
Students use reports and analysis tools for projects
Total number of participants at all sites
Number and type of sites participating
Frequency of contribution of photographic records
Number of correct species IDs per partici-pant, per site
Number of new species records added to checklists
Number of visits to website data tables
Number of science fair and other indepen-dent projects
Awareness, Knowledge and Understanding:
1.Climate can affect species phenology and interactions
2. Characteristics of some plant and moth families
3. Knowledge of some local plant and insect species
4. How to analyze and interpret data sets
Engagement or Interest:
1. Contributing many photographic records
2. Interest in species ID, learning more about a group
3. Interest in career opportunities in ecology, science
4. Interest in analyzing data, doing original research
Attitudes:
1. Reduced fear of insects or general outdoors
2. Expression of awe at beauty and diversity of nature
3. Excitement about studying natural history
4. Confidence in doing hands-on science
Behaviors:
1. Continued contribution to Discover Life albums
2. ID of species in own and others' albums
3. Becoming expert in taxonomic group
4. Commitment to lead a site or recruit new sites
Skills:
1. Digital photography, especially macro photography of wildflowers, moths and other insects
2. Consistent data collection habits, using GPS, cell phone, rulers, photos of diagnostic characters
3. Successful use of online species ID guides
4. Use of data reports and analysis
5. Using other Discover Life web tools - Mapper, etc.
EDUCATIONAL IMPACTS:
Comfort or familiarity with nature, seeing natural history as a source of engaging science questions
Greater understanding of the process of doing science
Inspiration to pursue careers in ecology, biology, natural history, and environmental science
RESEARCH IMPACTS:
Active participants for a network of study sites to monitor natural history
Data to understand effects of climate change and other factors on species phenology, distribution, abundance, and interactions