Outcome	Definition	Example	Output Metrics	Impact Metrics
Code	Source code to be compiled or	OpenTree API library	number of lines	number of reverse depends,
	executed	code		uses, users, mentions
Documentation	Instructions and examples	R vignettes	number of lines	number of users, mentions
Designs,	Partially or fully encoded	Phylo-querying design	number of lines	number of users, mentions
Schemas	products that are not executed			
Installations	Installed and running soft- ware	Live Phylotastic pruner demo	number of functions	number of users, mentions
Data Products	Aggregation, qa, etc resulting	Formal annotation of	file size, number of	number of downloads, men-
	in value-added data product	high-value trees	data	tions
Training	New or increased proficiency in a skill	Learning github	proficiency	(output metric for using pro- ficiency)
Experience	New or increased exposure to circumstances	Team programming	NA	NA
Networking	New or enhanced professional connections	NA	number of new or strengthened connec- tions	number of collaborations
Awareness	Recognition of resources, challenges, practices	Name-resolution is a major issue	number of newly recognized technologies, challenges, best practices	uses of newly recognized technology
Posters	Graphic presentations for meetings	R popgen poster	number, number of times presented	number of mentions
Blogs	Non-reviewed web publications	TreeForAll blogs	number	number of mentions
Presentations	Conference presentations	DateLife iEvoBio presentation	number, number of times presented	number of mentions
Collaborations	Commitment to pursue shared goal	rotl collaboration	number	(output metric for using collaboration)
Manuscripts	Manuscripts for publication	Phylotastic	number, number accepted	number of citations, mentions
Proposals	proposals for funding further work	Phylotastic proposal	number, number accepted	(output metric for using funding)