Instructions

Please follow instructions below to fill out your Gantt chart ("Gantt chart" tab). See example Gan For FFO-2019, the anticipated project start date is September 1, 2019; however, applicants may choose a later date if preferred. Please align your milestones and tasks in this Gantt chart using the start date proposed in your application

- 1. Fill out Columns A-E as follows (See example Gantt chart under "Example" tab):
 - a. Each task (column B) should fit under a project milestone (in bold, column A). Please add additional milestones in column A as needed and add the associated tasks for each milestone in separate rows in column B.
 - b. Please provide a category of your choosing for each task in column C. Suggestions include (but are not limited to): Field Preparation, Field Work Sampling, Lab Analyses, Data Analyses, Data Management, Outreach, Reporting/Publications, Meetings. You may have different task categories under a single milestone (e.g., see milestone 2 in
 - c. Please add the start date and completion date for each task in columns D and E, respectively.

Note: Although the template only contains 3 milestones with 2 tasks each, there is no limit to the

- 2. Using the timeline provided in rows 1 through 4, please fill in the appropriate cells for <u>each</u> task using light blue that correspond to the start and completion date provided in columns D and E, respectively. Light blue cells can be continuous (e.g. from 9/1/2019-12/31/2019) or on a frequency of your choosing (e.g. bi-monthly or quarterly meetings).
- 3. Using the timeline provided in rows 1 through 4, please fill in the appropriate cells for **each milestone** using pink that correspond the start and completion date of all of the tasks associated with that milestone.
- 4. Please save the spreadsheet as "[PI Last Name- Project title keyword- Gantt chart]" and submit the file along with your full application to Grants.gov ahead of the deadline for this

Milestone	Task	Task Category	Task Start Date	Task Completion D	Q4	Q1			Q2		
					Sept	Oct	Nov	Dec	Jan	Feb	Mar
					9/1/2019	10/1/2019	11/1/2019	12/1/2019	1/1/2020	2/1/2020	3/1/2020
					9/30/2019	10/31/2019	11/30/2019	12/31/2019	1/31/2020	2/29/2020	3/31/2020
Ba'llandana d											
Milestone 1:											
[Enter name of milestone]					-	-	-	-	-		
	[Enter first task]	[Enter category]	[Enter start date]	[Enter due date]							
	[Enter second task]	[Enter category]	[Enter start date]	[Enter due date]							
Milestone 2:											
[Enter name of milestone]					-	-	-	-	-	-	-
	[Enter first task]	[Enter category]	[Enter start date]	[Enter due date]							
	[Enter second task]	[Enter category]	[Enter start date]	[Enter due date]							
Milestone 3:											
[Enter name of milestone]					-	-	-	-	-	-	-
	[Enter first task]	[Enter category]	[Enter start date]	[Enter due date]							
	[Enter second task]	[Enter category]	[Enter start date]	[Enter due date]							

Q3			Q4			Q1			Q2			Q3			Q4	
Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
4/1/2020	5/1/2020	6/1/2020	7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020	12/1/2020	1/1/2021	2/1/2021	3/1/2021	4/1/2021	5/1/2021	6/1/2021	7/1/2021	8/1/2021
4/30/2020	5/31/2020	6/30/2020	7/31/2020	8/31/2020	9/30/2020	10/31/2020	11/30/2020	12/31/2020	1/31/2021	2/28/2021	3/31/2021	4/30/2021	5/31/2021	6/30/2021	7/31/2021	8/31/2021
-	-	-	-	-												
-	-															

	Q1			Q2			Q3			Q4			Q1		
Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
9/1/2021	10/1/2021	11/1/2021	12/1/2021	1/1/2022	2/1/2022	3/1/2022	4/1/2022	5/1/2022	6/1/2022	7/1/2022	8/1/2022	9/1/2022	10/1/2022	11/1/2022	12/1/2022
9/30/2021	10/31/2021	11/30/2021	12/31/2021	1/31/2022	2/28/2022	3/31/2022	4/30/2022	5/31/2022	6/30/2022	7/31/2022	8/31/2022	9/30/2022	10/31/2022	11/30/2022	12/31/2022

Q2			Q3			Q4			Q1			Q2			Q3	
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1/1/2023	2/1/2023	3/1/2023	4/1/2023	5/1/2023	6/1/2023	7/1/2023	8/1/2023	9/1/2023	10/1/2023	11/1/2023	12/1/2023	1/1/2024	2/1/2024	3/1/2024	4/1/2024	5/1/2024
1/31/2023	2/28/2023	3/31/2023	4/30/2023	5/31/2023	6/30/2023	7/31/2023	8/31/2023	9/30/2023	10/31/2023	11/30/2023	12/31/2023	1/31/2024	2/29/2024	3/31/2024	4/30/2024	5/31/2024

Q4	
Jul	Aug
7/1/2024	8/1/2024
7/31/2024	8/31/2024
	Jul 7/1/2024

Expedition # Exped	ecimens curation tions ding of DNA barcoding data on GenBank	Cruise	6/1/2017 7/1/2017 6/1/2017 10/1/2017 2/1/2018 6/1/2018	6/30/2017 7/31/2017 7/31/2017 10/31/2017	J 6/1/2017 6/30/2017	Q4 J 7/1/2017 7/31/2017	A 8/1/2017 8/31/2017	S 9/1/2017		N 11/1/2017 11/30/2017	D 12/1/2017 12/31/2017 -
Expedition # Exped	#1: Full Depth Cruise #2: Pre-Expedition Preparation #2: Mesophotic Cruise 1 #3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation etions ding of DNA barcoding data on GenBank	Cruise Cruise Cruise Cruise Cruise	7/1/2017 6/1/2017 10/1/2017 2/1/2018	7/31/2017 7/31/2017 10/31/2017	6/30/2017						
Expedition # Exped	#1: Full Depth Cruise #2: Pre-Expedition Preparation #2: Mesophotic Cruise 1 #3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation etions ding of DNA barcoding data on GenBank	Cruise Cruise Cruise Cruise Cruise	7/1/2017 6/1/2017 10/1/2017 2/1/2018	7/31/2017 7/31/2017 10/31/2017	-	7/31/2017	8/31/2017	9/30/2017	10/31/2017	11/30/2017	12/31/2017
Expedition # Exped	#1: Full Depth Cruise #2: Pre-Expedition Preparation #2: Mesophotic Cruise 1 #3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation etions ding of DNA barcoding data on GenBank	Cruise Cruise Cruise Cruise Cruise	7/1/2017 6/1/2017 10/1/2017 2/1/2018	7/31/2017 7/31/2017 10/31/2017		-	-	-	-	-	-
Expedition # Exped	#1: Full Depth Cruise #2: Pre-Expedition Preparation #2: Mesophotic Cruise 1 #3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation etions ding of DNA barcoding data on GenBank	Cruise Cruise Cruise Cruise Cruise	7/1/2017 6/1/2017 10/1/2017 2/1/2018	7/31/2017 7/31/2017 10/31/2017		-	-	-	-	-	-
Expedition # Exped	#1: Full Depth Cruise #2: Pre-Expedition Preparation #2: Mesophotic Cruise 1 #3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation etions ding of DNA barcoding data on GenBank	Cruise Cruise Cruise Cruise Cruise	7/1/2017 6/1/2017 10/1/2017 2/1/2018	7/31/2017 7/31/2017 10/31/2017		-	-	-	-	-	-
Expedition # Exped	#1: Full Depth Cruise #2: Pre-Expedition Preparation #2: Mesophotic Cruise 1 #3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation etions ding of DNA barcoding data on GenBank	Cruise Cruise Cruise Cruise Cruise	7/1/2017 6/1/2017 10/1/2017 2/1/2018	7/31/2017 7/31/2017 10/31/2017							
Expedition # Exped	#2: Pre-Expedition Preparation #2: Mesophotic Cruise 1 #3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation tions ding of DNA barcoding data on GenBank	Cruise Cruise Cruise Cruise	6/1/2017 10/1/2017 2/1/2018	7/31/2017 10/31/2017							
Expedition # Expedition # Expedition # Expedition # Expedition # Milestone 2: Field Data Proces Voucher special DNA extraction of the publication of the publications of the publications of the publications of the publications of the publication of the public	#2: Mesophotic Cruise 1 #3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation etions ding of DNA barcoding data on GenBank	Cruise Cruise Cruise	10/1/2017 2/1/2018	10/31/2017							
Expedition # Expedition # Expedition # Milestone 2: Field Data Proces Voucher special DNA extract DNA barcood Publication # RAD Seque RAD Seque RAD Seque RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Integration of Larval Dispecial Completions Cruise Report Dissemination Completion Milestone 5: Outreach	#3: Pre-Expedition Preparation #3: Mesophotic Cruise 2 ssing ecimens curation tions ding of DNA barcoding data on GenBank	Cruise Cruise	2/1/2018								
Milestone 2: Field Data Proces Voucher spend DNA extract DNA extract DNA barcood Publication RAD Seque RAD Seque RAD Seque RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Dispendices Cruise Report Dissemination Completion Milestone 5: Outreach	#3: Mesophotic Cruise 2 ssing ecimens curation tions ding of DNA barcoding data on GenBank	Cruise		F/04/0040							
Milestone 2: Field Data Proces Voucher special DNA extract DNA barcook Publication RAD Seque RAD Seque RAD Seque RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Integration Carval Dispensions Cruise Report Dissemination Completion Milestone 5: Outreach	ecimens curation tions ding of DNA barcoding data on GenBank		6/1/2018	5/31/2018							
Voucher special DNA extraction DNA barcood Publication RAD Seque RAD Seque RAD Seque RAD loci clus Completion Completion Analyses of Analyses of Integration Carval Dispersion Cruise Report Dissemination Completion Milestone 5: Outreach	ecimens curation tions ding of DNA barcoding data on GenBank	Data Processing		6/30/2018							
DNA extract DNA barcoo Publication RAD Seque RAD Seque RADseq dat RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Dispensions Cruise Report Dissemination Completion Milestone 5: Outreach	tions ding of DNA barcoding data on GenBank	Data Processing			-	-	-	-	-	-	-
DNA extract DNA barcoo Publication RAD Seque RAD Seque RADseq dat RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Dispensions Cruise Report Dissemination Completion Milestone 5: Outreach	tions ding of DNA barcoding data on GenBank		8/1/2017	7/31/2018							
Publication RAD Seque RAD Seque RAD Seque RAD Seque RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach	of DNA barcoding data on GenBank	Data Processing	9/1/2017	7/31/2018							
Publication RAD Seque RAD Seque RAD Seque RAD Seque RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach	of DNA barcoding data on GenBank	Data Processing	9/1/2017	9/30/2018							
RAD Seque RAD Seque RAD Seque RAD Seque RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach		Data Manageme	1/1/2018	11/30/2018							
RAD Seque RADseq dat RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach	encing Contracting	Admin	9/1/2017	7/31/2018							
RADseq data RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach	<u> </u>	Data Processing	10/1/2017	11/30/2018							
RAD loci clu Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach	ta QAQC and filtering	Data Processing	3/1/2018								
Completion Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach	ustering and SNP calling	Data Processing	5/1/2018	1/31/2019							-
Milestone 3: Data Interpretatio Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach	of Eulerian integrations for 2014-2016		6/1/2017	6/30/2018							
Analyses of Analyses of Integration of Larval Disperimentations Cruise Report Dissemination Completion Milestone 5: Outreach			5, 1, 2 11	3.00,00	_	-	-	-	-	-	_
Analyses of Integration of Larval Dispetions Milestone 4: Publications Cruise Report Dissemination Completion Milestone 5: Outreach	f spatial population genetic structuring	Data Analysis	7/1/2018	2/28/2019							
Integration of Larval Dispersions Milestone 4: Publications Cruise Report Dissemination Completion Milestone 5: Outreach	f genetic connectivity rate and direction		9/1/2018	3/31/2019							
Larval Dispetions Milestone 4: Publications Cruise Report Dissemination Completion Milestone 5: Outreach	of population genetic and modeling dat		5/1/2018	5/31/2019							
Milestone 4: Publications Cruise Repo Disseminati Completion Milestone 5: Outreach	ersal modeling	Modeling	1/1/2018	12/31/2018							
Cruise Repo Disseminati Completion Milestone 5: Outreach		g	., .,	12,01,2010	-	-	-	-	-	-	-
Dissemination Completion Milestone 5: Outreach	orts	Publication	9/1/2017	7/31/2018							
Completion Milestone 5: Outreach	ion of cruise metadata	Data Manageme	9/1/2017	8/31/2018							
Milestone 5: Outreach	of peer-reviewed publications	Publication	1/1/2019								
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IReports to r	managers	Presentations	11/1/2017	5/31/2019							
Scientific Mo		Presentations	2/1/2019	2/28/2019							
	ect workshop	Workshop	5/1/2019	5/31/2019							
Milestone 6: Reporting	I '	- -	5, 1, 2 1 0	5,5 1,20 10	-	-	-	-	-	-	-
Progress re	eports	Data Manageme	11/1/2017	5/31/2019							
Final Report		Data Manageme	1/1/2019								
	notated video frames at DSCRTP w/in 6		1/1/2018								
	al specimens at NOAA/Harvey Mudd/S		7/1/2018								
	D data at NCEI within 1 year from colle										
	eo at NCEI at end of project	Data Manageme	1/1/2019								
	netic data at NCBI/Dryad at time of pub	O									
	del output at NCEI at time of publication		5/1/2019	5/31/2020							
Meetings	as super at 11021 at time of publication	- Zata Managomo	0,1,2010	0,01,2020	-	-	_	_	-	-	-
		Meetings	4/1/2018	4/30/2018							
	PI meeting	Meetings	43191	43434							
Conference	PI meeting eting with technical monitors	Meetings	42887	43616							

Q2			Q3			Q4			Q1			Q2			Q3		
	F			M	.1		A	S		N	D		F			M ,	 .I
1			4/1/2018	5/1/2018	6/1/2018				10/1/2018	11/1/2018				3/1/2019	4/1/2019	5/1/2019	6/1/2019
1/31/2018	2/28/2018	3/31/2018	4/30/2018	5/31/2018	6/30/2018	7/31/2018	8/31/2018	9/30/2018	10/31/2018	11/30/2018	12/31/2018	1/31/2019	2/28/2019	3/31/2019	4/30/2019	5/31/2019	6/30/2019
1/01/2010	2/20/2010	0/01/2010	1/00/2010	0/01/2010	0/00/2010	170172010	0/01/2010	0/00/2010	10/01/2010	11/00/2010	12/01/2010	1/01/2010	2/20/2010	0/01/2010	1/00/2010	0/01/2010	0/30/2013
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