

Time Management and Productivity, Proposal Development, and Project Management Tools

Bill Michener

New Mexico EPSCoR State Office

Road map

- Personal
 - Time Management and Productivity
- Projects
 - Proposal Development
 - Project Management Tools

The Most Difficult Word in the English Language

no

I. Time Management/Productivity

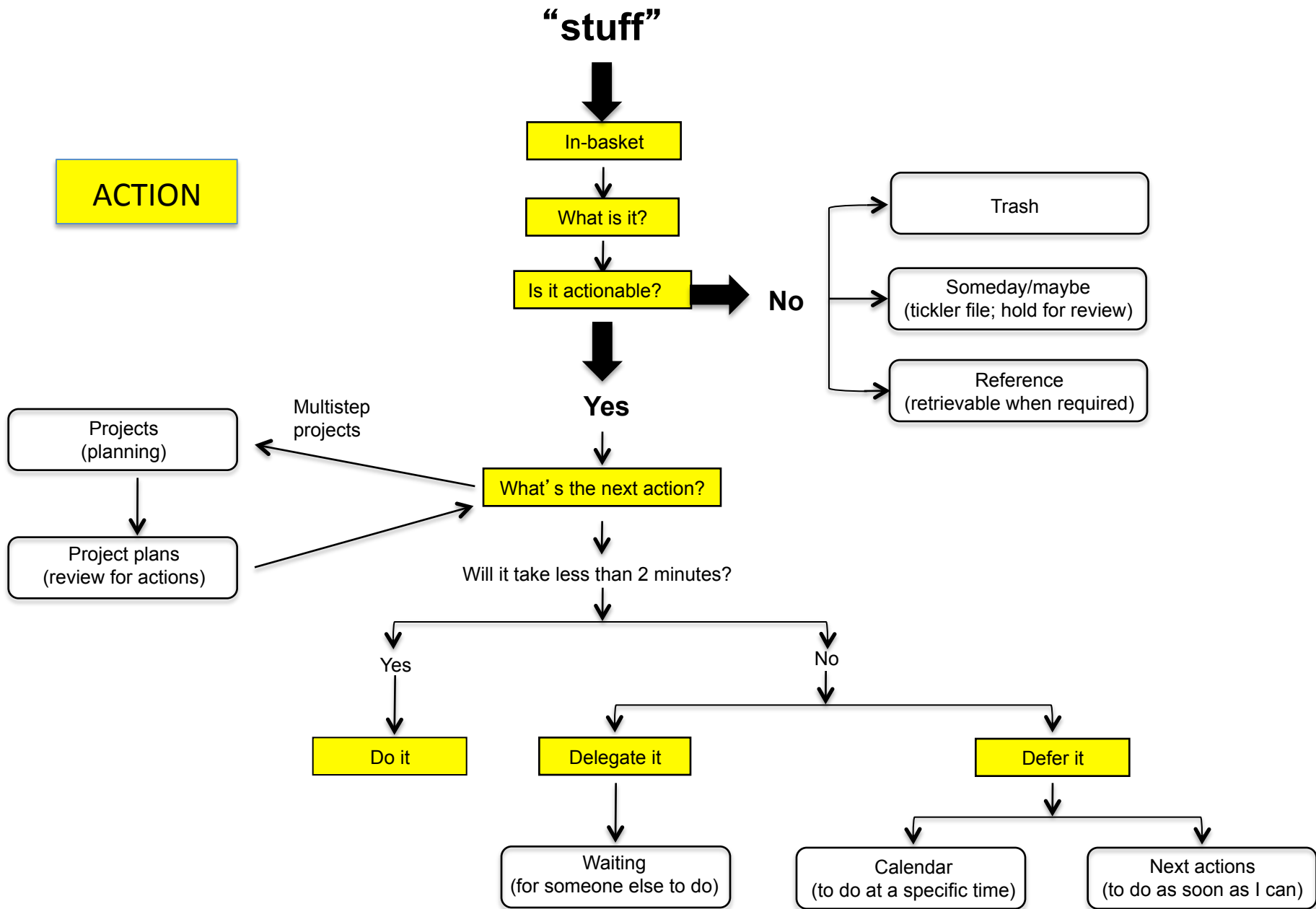
- 7 Lessons from “Getting Things Done” by David Allen
- My approaches:
 - Desktop
 - Calendars
 - To do lists
 - E-mail management
 - File management
- Your approaches

“Getting Things Done”

- Lesson 1 (**prepare**)
 - Set aside time
 - 3 hrs to 1-2 days, initially (***desktop**, one file drawer, room in house, etc.)
 - 1 hr /week, thereafter
 - Get your hardware in place
 - File folders
 - In-boxes or in-baskets
 - List management system
 - Calendaring/scheduling system
 - Create a personal filing system (see 114-117)

“Getting Things Done”

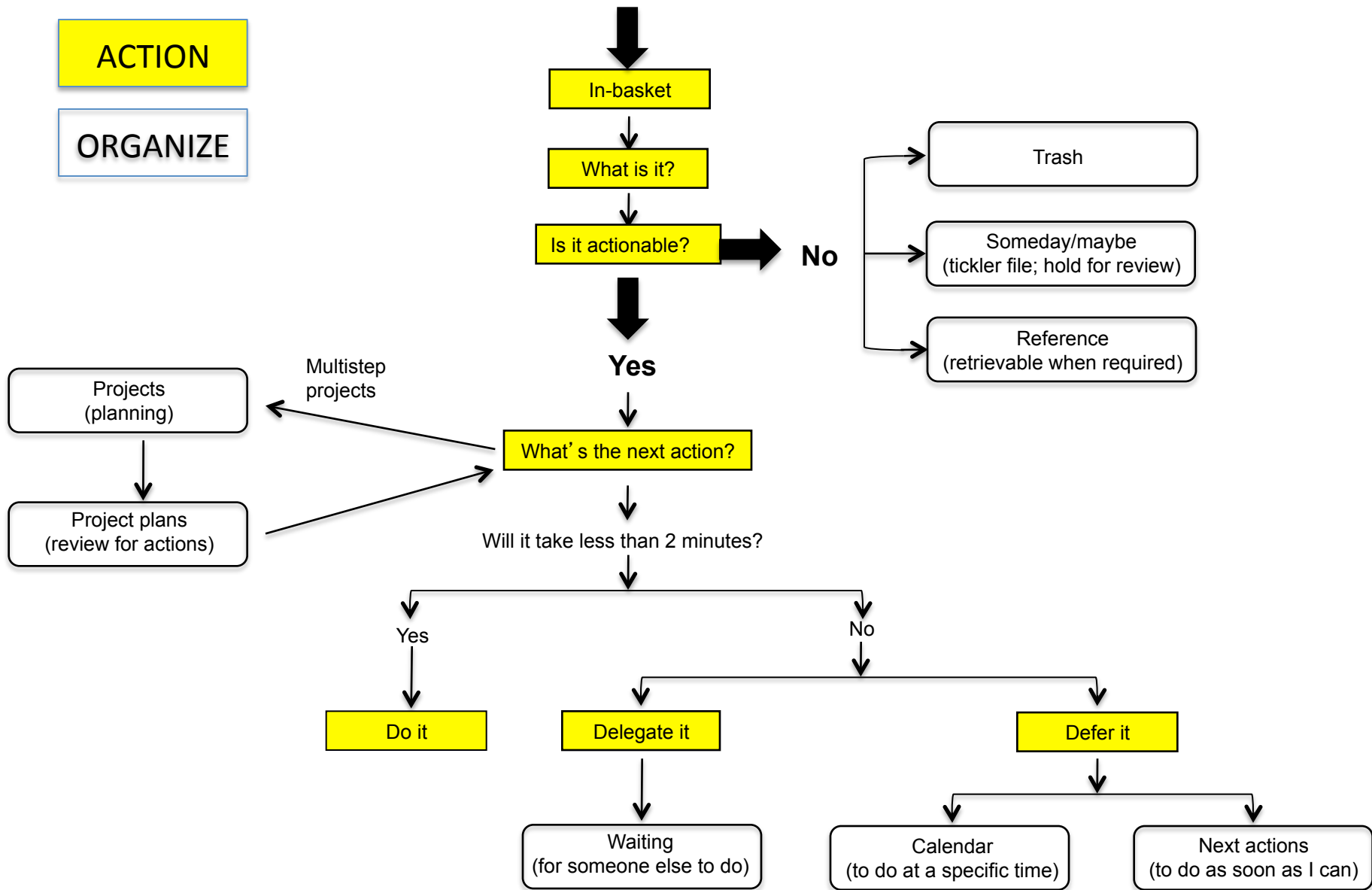
- Lesson 2 (**act**; page 32):
 - Do it
 - Delegate it or
 - Defer it



“Getting Things Done”

- Lesson 3 (**organize**; pages 139 and 140):
 - Seven types of things to track and manage:
 - “Projects”
 - Project support material
 - Calendared actions and information (e.g., a meeting)
 - “Next actions”
 - “Waiting for” list
 - Reference material
 - “Someday/maybe” list

“stuff”



“Getting Things Done”

- Lesson 4 (**create action reminders**; page 144):
 - Organize actions by context
 - “calls”
 - “at computer”
 - “errands”
 - “office actions”
 - “at home”
 - “agendas”
 - “read/review”

“Getting Things Done”

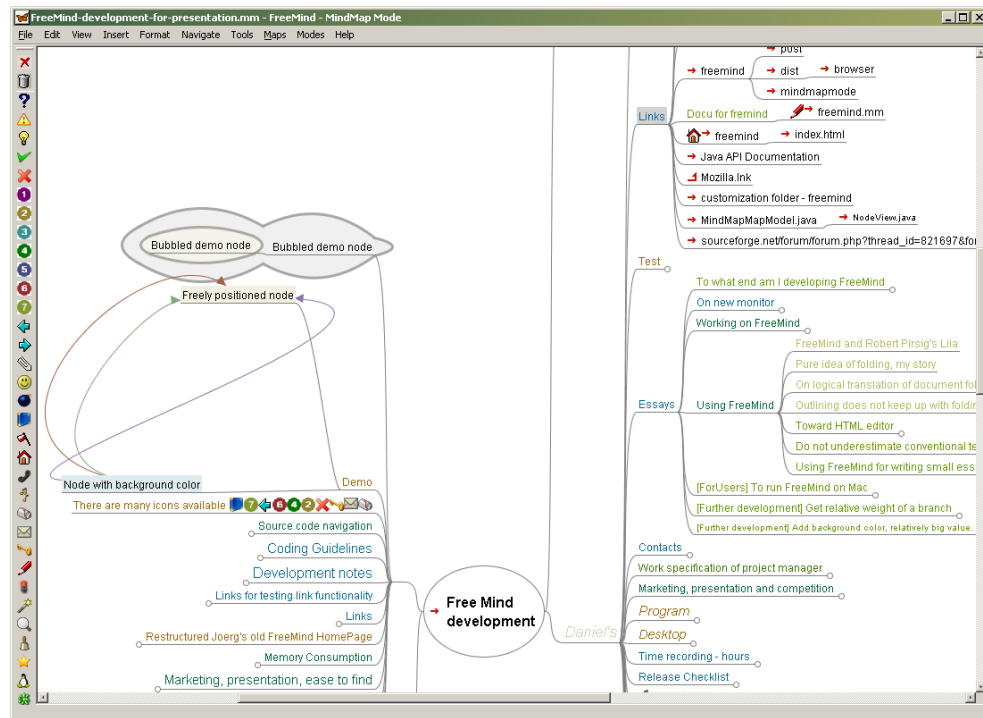
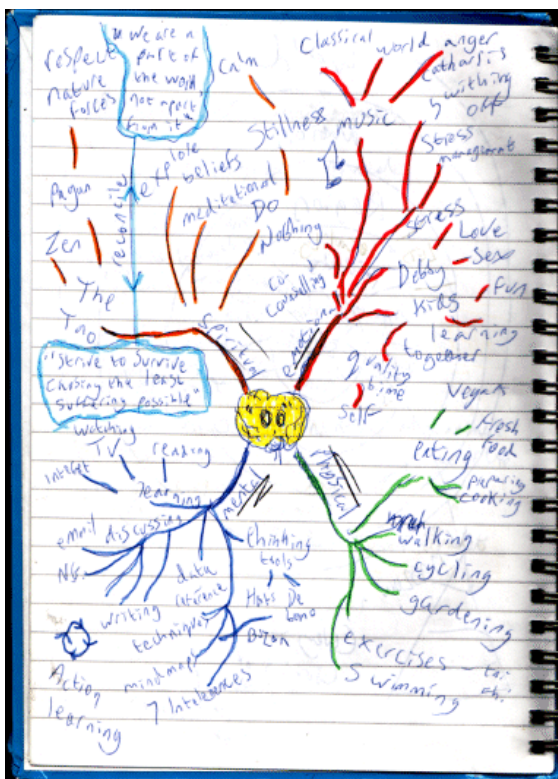
- Lesson 5 (**getting e-mail/in-box to empty**; page 152):
 - Re-use personal filing system approach (e.g., by projects)
 - Add:
 - @ACTION
 - @WAITING FOR
 - See lesson 2 (do it, delegate it, defer it, OR delete it)

“Getting Things Done”

- Lesson 6 (**review weekly**—“empty your head”; page 184):
 - Loose papers—collect in in-box for processing
 - Notes
 - Previous and upcoming calendar
 - Review “projects”
 - Review “next actions”
 - Review “waiting for”
 - Review “someday/maybe” list

“Getting Things Done”

- Lesson 7 (plan; page 71):
 - Capture your ideas
 - Mind-mapping is a strategy that works



“Getting Things Done”

1. Prepare
2. Act
3. Organize
4. Create action reminders
5. Empty your inbox (get email to empty)
6. Empty your head (review weekly)
7. Plan

My approaches



iGoogle™

Google Search

I'm Feeling Lucky

Advanced Search
Search Preferences
Language Tools

New! Take a tour of iGoogle's new features

New! Themes for causes Change theme from Beach Add stuff

- Home
- News
- Finance
- Science
- Movies
 - Movies Openin...
 - DVD Releases
 - Fandango Movi...
 - Netflix New Rel...
 - Top 5 movies at...
 - Rolling Stone M...
 - Fandango Movi...
 - Yahoo! Movies
 - Rotten Tomatoe...

NYTimes.com - Top Stories

Richardson Withdraws as Commerce Nominee



Gov. Bill Richardson withdrew his nomination as commerce secretary amid a grand jury investigation into the awarding of a state contract in New Mexico.

- With Senate Set to Return, Uncertainty Over Obama's Seat
- The Caucus: Lawmakers Say Stimulus Package May Be Delayed
- Israeli Troops Advance, Bisecting Gaza
- U.S. Said to Block U.N. Gaza Statement

[More news >](#)

Dictionary.com

Search: Dictionary.com

for

Date & Time



Sun JAN 4

See Before You Die - Place of the Day

Lake Roosevelt (ALASKA), UNITED STATES



Visit www.SeeBeforeYouDie.net

The other side of those cold Alaska nights is the unbelievable light afforded by the midnight sun.

[Add your place](#)

Pretty Costa Rica Ladies
Are Waiting For A Real Man Marry Costa

Toodledo - Your to-do list

Toodledo A powerful, easy

Wikipedia

WY



Search My Calendars Search Public Calendars Show Search Options

Create Event

Today Jan 4 - 10 2009 Refresh Print Day Week Month 4 Days Agenda

Quick Add

January 2009

S	M	T	W	T	F	S
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

- My calendars
- William Michener
 - Kepler/CORE
 - NM EPSCoR NSF
- Settings Create

- Other calendars
- Add a friend's calendar
- Anna Morrato
 - Barbara Kimbell
 - Bob Waide
 - UNO Staff Calendar
- Settings Add

	Sun 1/4	Mon 1/5	Tue 1/6	Wed 1/7	Thu 1/8	Fri 1/9	Sat 1/10
		2009 Jr Faculty Leadership Workshop @					Luquillo trophic dy
		Junior Faculty Trai	3 Kings Day	Junior Faculty Tra	LUQ Exec Board		
			Espanola		Junior Faculty Trai	Junior Faculty Trai	
			Junior Faculty Trai		Lisa out		
9am	9 - 11:30 yoga	9 - 11:30 yoga	8:50 - 9:50 UNM Hosp. Gen. Surg. =				
10am							
11am							
12pm							12:19p - 1:19p John depart
1pm					1:30p - 2:30p EPSCoR staff mtg =	1:30p - 2:30p NBII Conf Call =	
2pm							
3pm			3p - 4:30p Kepler/CORE telecon =				
4pm				4:30p - 7 yoga	4:30p - 7 yoga		
5pm							

Google Calendar BETA

Search My Calendars Search Public Calendars Show Search Options

Create Event Quick Add

January 2009

<	>						
S	M	T	W	T	F	S	
21	22	23	24	25	26	27	
28	29	30	31	1	2	3	
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	
1	2	3	4	5	6	7	

My calendars

- William Michener
- Kepler/CORE
- NM EPSCoR NSF

Settings Create

Other calendars

Add a friend's calendar

- Anna Morrato
- Barbara Kimbell
- Bob Waide
- LMO Staff Calendar

Settings Add

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	Jan 1	2	3
vacation time	John > Denver	Pluto > kennel				2p Alyssa depart
9 yoga	8 MSP Conference C	+1 more	+3 more	+2 more	+2 more	
9 yoga						
4	5	6	7	8	9	10
9 yoga	2009 Jr Faculty Leadership Workshop	Junior Faculty Train	Junior Faculty Train	LUQ Exec Board	Junior Faculty Train	Luquillo trophic dyn
9 yoga	8:50 UNM Hosp. Gen	3 Kings Day	4:30p yoga	Junior Faculty Train	Junior Faculty Train	12:19p John depart
		+2 more	+1 more	+2 more	+1 more	
11	12	13	14	15	16	17
Luquillo trophic dy	INTEROP DN1 mtg in SB CA					4:20p arrive
9 yoga	NMHU Classes Star	Joint US-Mexico hurricane meeting				6:45p Bettys
9 yoga	8 MSP Conference C	3p Kepler/CORE tele	UVI	+5 more	+1 more	
18	19	20	21	22	23	24
9 yoga	8:15 Dr. Cheema at	UNM, NM Tech Clas	PDPA Meeting	Jon		
9 yoga		NM Legislature open	PDPA Meeting	10 EB videocon	10 AD meeting	
		9:30 derm	4:30p yoga	1:30p EPSCoR staff r		
		3p Kepler/CORE tele	+2 more			
25	26	27	28	29	30	31
Jon	3p Kepler/CORE tele	8 Thompson		1:30p EPSCoR staff r	CMES strategic planing	
Bill's birthday	Dr Rodgers	6p obedience trainin	8 Thompson		Jon's birthday	
9 yoga	8 MSP Conference C		4:30p yoga			
9 yoga			4:30p yoga			

Toodledo
 Welcome, **william.michener**
 Pro Subscription

To-Do List

- Sharing
- Calendar
- Scheduler
- Goals
- Files
- Notebook
- Statistics
- History
- Booklet
- Forums

Folders & Contexts
 Import & Export
 Connections
 Account Settings

Sign Out

Upgrade Your Account
 Help & News

Privacy | Conditions
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View By: **Main** | Folder | Due-Date | Priority | Sharing | Search | Classic + Add a Task

All Tasks | Starred | **Hotlist** | Recently Added | Recently Completed | Recently Modified

8 To-dos sorted by Folder Collaborators Filters Sort QuickSearch

Toggle Notes | Toggle Dividers | Toggle Subtasks Customize: [Icons] Print: [Icon]

Tip: If you use the Firefox web browser, you can install [Toodledo's Addon](#) which will give you a quick way to view and add tasks from [Close tip](#) any website.

Task	Folder	Due Date	Priority
DataNetONE			
<input type="checkbox"/> <input type="star"/> <input type="hand"/> CI Stratgeic planning mtg prep	DataNetONE	no date	3 Top
<input type="checkbox"/> <input type="star"/> <input type="hand"/> RCN mtg plan	DataNetONE	no date	3 Top
EPSCoR			
<input type="checkbox"/> <input type="star"/> <input type="hand"/> take banner classes	EPSCoR	no date	2 High
LTER			
<input type="checkbox"/> <input type="star"/> <input type="hand"/> clean desk and file cabinets	LTER	no date	2 High
<input type="checkbox"/> <input type="star"/> <input type="hand"/> PLoS data center paper	LTER	no date	2 High
Work-miscellaneous			
<input type="checkbox"/> <input type="star"/> <input type="hand"/> NBII SW Node plan	Work-miscellaneous	no date	3 Top
<input type="checkbox"/> <input type="star"/> <input type="hand"/> esa talk	Work-miscellaneous	no date	3 Top
Finances			
<input type="checkbox"/> <input type="star"/> <input type="hand"/> VALIC -- review allocations in January	Finances	no date	2 High

Toodledo
 Welcome, **william.michener**
 Pro Subscription

To-Do List

- Sharing
- Calendar
- Scheduler
- Goals
- Files
- Notebook
- Statistics
- History
- Booklet
- Forums

Folders & Contexts
 Import & Export
 Connections
 Account Settings

Sign Out

Upgrade Your Account
 Help & News

Privacy | Conditions
 Copyright © 2008

View By: **Main** | Folder | Due-Date | Priority | Sharing | Search | Classic + Add a Task

All Tasks | Starred | Hotlist | Recently Added | Recently Completed | Recently Modified

46 To-dos sorted by Priority Collaborators | Filters | Sort | QuickSearch

Toggle Notes | Toggle Dividers | Toggle Subtasks Customize: [Icons] Print: [Icon]

Tip: If you use the Firefox web browser, you can install [Toodledo's Addon](#) which will give you a quick way to view and add tasks from any website. [Close tip](#)

Task	Folder	Due Date	Priority
3 Top			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> NBII SW Node plan	Work-miscellaneous	no date	3 Top
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> CI Stratgeic planning mtg prep	DataNetONE	no date	3 Top
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> RCN mtg plan	DataNetONE	no date	3 Top
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> esa talk	Work-miscellaneous	no date	3 Top
2 High			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> take banner classes	EPSCoR	no date	2 High
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> clean desk and file cabinets	LTER	no date	2 High
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> PLoS data center paper	LTER	no date	2 High
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> VALIC -- review allocations in January	Finances	no date	2 High
1 Medium			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Lter communication strategic plan	LTER	no date	1 Medium
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> cash in stocks	Mom	no date	1 Medium
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> lucent, lci, ncr			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> collate EPSCoR bylaws and org charts from all states	EPSCoR	no date	1 Medium
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Anna and Lisa -- first pass at this			



Doodle

Poll: January Meeting of DataONE External Advisory Board

Summary: 13 participants, 0 comments

[more ...](#)

William Michener has created this poll.

"Please select preferred 2-day meeting periods for the next in-person meeting the Board. The Board voted to hold the next meeting in Santa Fe, New Mexico (which has limited flights to/from Dallas and Los Angeles, but is also only an hour from Albuquerque which has numerous flights daily from many locations)."

Time zone:

[Switch to calendar view »](#)

		January 2011														
		Thu 6	Fri 7	Mon 10	Tue 11	Wed 12	Thu 13	Fri 14	Mon 17	Tue 18	Wed 19	Thu 20	Fri 21	Mon 24	Tue 25	Wed 26
		8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM	8:30 AM - 5:00 PM
William Michener		OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Martha Maiden				(OK)	(OK)	(OK)	(OK)	(OK)		(OK)	(OK)	(OK)		(OK)	(OK)	(OK)
Clifford Lynch									OK	OK	OK	(OK)		OK	OK	OK
Paul Risser		OK	OK	OK	OK	(OK)	OK	OK	OK	OK	(OK)	OK	OK	OK	OK	(OK)
Kevin Guthrie		OK	OK						OK	OK	OK	OK	OK	OK	OK	OK
Tony Hey		OK	OK							(OK)	OK	OK				
Adrian Burton														(OK)	(OK)	OK

- Folders**
Last Refresh: Sun, 3:27 pm (Check mail)
- INBOX (11)
 - Drafts
 - Sent
 - Trash (Purge)
 - Letterhead
 - LTERR Network Office
 - @ACTION
 - @PROJECT-ADEC
 - @PROJECT-BioSci-SocRelResFStns
 - @PROJECT-BioSci_IM fldStn
 - @PROJECT-CREATE_CTR_EPSCORproposal
 - @PROJECT-DataCtrPUB
 - @PROJECT-DataNet
 - @PROJECT-DataNet-CVs,C&P,COI,Bio
 - @PROJECT-DataNet-ExtAdvComm
 - @PROJECT-DataNet-Letters of Collab
 - @PROJECT-DataNet-NSF correspondence
 - @PROJECT-DataNet-ppt presentations
 - @PROJECT-DataNet-Site Visit
 - @PROJECT-DataNetONE-Budget
 - @PROJECT-DataNetONE-str_plan
 - @PROJECT-DataNetONE_full_proposal
 - @PROJECT-DataNetONE_MgmntAdvTeam

Current Folder: INBOX [Sign Out](#)

[Compose](#) [Addresses](#) [Folders](#) [Options](#) [Search](#) [Help](#) [LTERR Network Office](#)

Previous | [Next](#) | [1](#) [2](#) [3](#) [4](#) | [Show All](#) | [Toggle All](#) Viewing M


Move Selected To:

INBOX

From	Date	Subject
<input type="checkbox"/> Gayle Dana	3:25 pm	Re: education figure - trying again
<input type="checkbox"/> Gayle Dana	3:18 pm	Edits
<input type="checkbox"/> Barbara Kimbell	2:58 pm	logic model
<input type="checkbox"/> Barbara Kimbell	2:01 pm	Fwd: New email address.
<input type="checkbox"/> William Michener	1:50 pm	RE: education figure - trying again
<input type="checkbox"/> Marjorie McConnell	8:36 am	Lunch this week?
<input type="checkbox"/> kminnick@evalteam.com	12:10 am	RE: [Fwd: Acceptance into Faculty Leaders
<input type="checkbox"/> Katherine A. Mitchell	Sat, 10:14 pm	RE: education figure - trying again
<input type="checkbox"/> William Michener	Sat, 7:36 pm	Re: Track 2 drafts
<input type="checkbox"/> William Michener	Sat, 6:03 pm	Re: Track 2 drafts
<input type="checkbox"/> Katherine A. Mitchell	Sat, 9:15 am	RE: education figure - trying again
<input type="checkbox"/> Gayle Dana	Fri, 5:58 pm	Re: Track 2 drafts
<input type="checkbox"/> William Michener	Fri, 5:52 pm	Re: Track 2 drafts
<input type="checkbox"/> Gayle Dana	Fri, 3:20 pm	Re: Track 2 drafts
<input type="checkbox"/> Koerber, Sarah	Fri, 2:30 pm	Track 2 drafts
<input type="checkbox"/> weilman_cyber@leaplan	Thu, 6:00 am	leaplan project org mailing list members



Filtering of email

Gmail [Calendar](#) [Documents](#) [Reader](#) [Web](#) [more](#) ▼



 Search Mail Search the Web [Show search options](#)
[Create a filter](#)

Mail
Contacts
Tasks


Compose mail

Priority Inbox (1)
Inbox (4)
Buzz 
Starred 
Sent Mail
Drafts (2)
[Gmail]Trash
840 Paseo de Don Carlos
AAii / SSR
AGU (1)
AIBS (1)
Alaskan Seafood
American Airlines (1)
American Express
American Scientist
cars
Citizen Science
Concerts
Cornell Lab of Ornithology
Costa Rica
D-Lib
Data Issues/Readings
DataNet Federation
DataONE Education (1)
DataONE ExtAdvBrd
DataONE Internship Pro...

[Mercedes - 2010 Clearance - Mercedes.DealersClearingLots.com - Mercedes Dealers Cut Prices to Make Sales — Get Internet Prices](#)

Archive Report spam Delete   Move to ▼ Labels ▼ More actions ▼ Refresh


Important and unread ▼


☆ WTSO  WTSO **Sonoma Acres Russian River Valley Pinot Noir 2009** - Hi , Today we are offering

Starred ▼


☆ Dave, me (2) dimbio report piece - Hi Bill, here's the dimensions in biodiversity sidebar text that I mentione

Everything else ▼

☆ Reuters.com  **Reuters Oddly Enough Report** - If you are having trouble viewing this email o



☆ Reuters.com  **Reuters Health Report** - If you are having trouble viewing this email or would lik


☆ WTSO **WTSO Order Update** - WTSO Order Number: 756524 Date Ordered ...

☆ listserv  **AAii Investor Update - 12/30 Issue - AAii Update Thursday, December 30, 2010**

☆ Yoga Source **Yoga NEW YEAR and NEW SCHEDULE** - Our Website Wishing everyone a healthy and h



☆ Skype **Skype Sorry for any inconvenience** - www.skype.com Skype Name: william.michener Pass

☆ Mercedes Nysus   **1:1 w/Dean Bedard** - Hi Bill, I will need to reschedule your 1:1 meeting wi

☆ Donna Cromer SEL  **Final Report for RL** - Hello everyone, I turned in the final report for Rebec

☆ me **NSF DataONE Review Report** - I've shared NSF DataONE Review Report Message from w

☆ Marquart, Michelle Suzan. **IDCC 2010 follow-up** - Thanks for your participation in the 6th International Digital Curation C


☆ Jan, me, Dave, Greg (4)   **AW: article for submission based on 2010 DataCite presentation** - Catherine, I agree



☆ support@jstor.org **Your Journal Access at JSTOR** - Dear Dr. William K. Michener, You are receiving this ema

☆ ESA Connection **ESA 2011 ESA Annual Meeting: Call for Contributed Oral and Poster Abstracts** - ESA Conr

☆ Charles Schwab & Co., In. **Schwab New tax changes: Check your cost basis method** - Charles Schwab CHECK YOUR

☆ Membership **ESA Time to Renew Your Professional Ecologist Certification!** - Dear Certified Ecologist, TI

☆ Rebecca, Patricia (2)  **Notes from today's S&G WG call** - Thanks Rebecca and thanks to Dave and B

Archive Report spam Delete   Move to ▼ Labels ▼ More actions ▼ Refresh

File Management

- 1 folder per hanger
- Printed labels
- Purge dead folders 1X per year

Your “productivity” approaches ?

II. Proposal Development

- Requirements matrix (compliance matrix)
- Logic modeling (see Kellogg Foundation)
- Writing

Compliance Matrix

Requirement (from RFP)	Comments	Proposal Reference (page #, Section, or Attachment #)
<i>is required, should, must, it is expected, it is important, shall, may not</i>		
<i>“ In all instances, specification of performance milestones and a timetable for achieving such milestones is a requirement for EPSCoR support.”</i>	Created Gantt chart and included discussion of major milestones	Pages 14-15 in proposal plus Milestones in Appendix B (evaluation and assessment)
Also include Review Criteria		

Logic Model—Problem: Documenting & Understanding Changing Water Quality in NM Streams/Rivers Affected by Snowmelt Runoff

RESOURCES	ACTIVITIES	OUTPUTS	SHORT- AND LONG-TERM OUTCOMES	IMPACT
<i>In order to accomplish our set of activities we will need the following:</i>	<i>In order to address our problem or asset we will accomplish the following activities:</i>	<i>We expect that once accomplished these activities will produce the following evidence or service delivery:</i>	<i>We expect that if accomplished these activities will lead to the following changes in 1-3 and then 4-6 years:</i>	<i>We expect that if accomplished these activities will lead to the following changes in 7-10 years:</i>
<ul style="list-style-type: none"> • Funding for <i>in situ</i> water quality sensing system (\$___,000) • Support for graduate and/or undergraduate student(s) to install and monitor systems, and to integrate and synthesize results • Established “Climate Change” web site for dissemination of results 	<ul style="list-style-type: none"> • Specify system requirements • Purchase sensor system • Install, test and calibrate sensors • Develop and implement maintenance and operations plan • Develop database schema and QA/QC plan and make data available via web 	<ul style="list-style-type: none"> • # locations instrumented • # megabytes available and online • # theses based on data • # publications based on data • # presentations at National meetings 	<ul style="list-style-type: none"> • Increased use of water quality portion of web site • Increase in number of streams instrumented with water quality sensor systems • Increase in externally funded research projects focused on water quality questions 	<ul style="list-style-type: none"> • Incorporation of water quality info into State water monitoring and mgmnt plans • Incorporation of water quality info into education exhibits and State curricula and teacher training • State-sustained water quality monitoring program

Logic Model—Problem: Creating a Citizenry that is Informed about Climate Change and its Impact on New Mexico’s Natural Resources (#1—updating the NMNH&S Climate exhibit)

RESOURCES	ACTIVITIES	OUTPUTS	SHORT- AND LONG-TERM OUTCOMES	IMPACT
<p><i>In order to accomplish our set of activities we will need the following:</i></p>	<p><i>In order to address our problem or asset we will accomplish the following activities:</i></p>	<p><i>We expect that once accomplished these activities will produce the following evidence or service delivery:</i></p>	<p><i>We expect that if accomplished these activities will lead to the following changes in 1-3 and then 4-6 years:</i></p>	<p><i>We expect that if accomplished these activities will lead to the following changes in 7-10 years:</i></p>
<ul style="list-style-type: none"> • Funding (\$ --,000) for <i>Sphere of Science</i> infrastructure • Support for 1 workshop that involves climatologists in developing exhibit content 	<ul style="list-style-type: none"> • Specify system requirements • Purchase SoS • Install and customize # SoS content modules • Develop # new SoS content modules focused on NM climate change 	<ul style="list-style-type: none"> • # user visits to SoS • # new content modules 	<ul style="list-style-type: none"> • Increased visitation to climate change exhibit • Independent NSF (e.g., 1 or more ISE grants) and other funding for creation of new content modules and, possibly, the addition of one or more small SoS systems that can travel around State to other museums 	<ul style="list-style-type: none"> • Increased recognition of importance of climate change and its impacts in NM • Increased use of SoS in informal science education throughout State

Writing tips

- Set aside time for thinking, outlining, and writing during most productive time of day (e.g., 1 hour every day)
- Make extensive use of outlines (from high to low level)
- Set manageable goals and sub-goals (e.g., 1 paragraph) and review daily
- Use google docs for collaborative writing (back up)
- Version documents with numbers/dates
- Do boilerplate work during non-productive hours
- Let others read, review and edit early on and frequently

III. Project Management

- Project Management Plans
 1. *Timeline and Key Milestones and Performance Metrics*
 2. *Work Breakdown Structure*
 3. *Resource Assignment Matrix*
 4. *Project Schedule*
 - a. Gantt charts
- Communication

1. Milestones/Performance Metrics

Milestone	Responsible Person/Working Group	Period					
		Pre	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5
Develop Project Management Plan	Michener, Koskela, Vieglais	X	R	R	R	R	R
Staff DataONE Headquarters	Michener, Koskela,	X	X				
Convene EAB Meetings	Michener, Koskela,		X	X	X	X	X
Convene Key Working Group Meetings	Leadership Team		X	X	X	X	
Plan/Convene User Group Meetings	Michener, Koskela,		X	X	X	X	X
Design, deploy collaboration and development environment	Vieglais, Wilson, Jones	X					
Design and deploy prototype DataONE infrastructure	Vieglais, Wilson, Jones		X				
Design and deploy version 1.0 infrastructure	Vieglais, Wilson, Jones			X			
Design and deploy version 2.0 infrastructure	Vieglais, Wilson, Jones					X	
Perform Baseline Assessment	Tenopir, Frame		X				
Develop Guidelines for Data Inclusion	Leadership Team		X	R		R	
Develop Policies for Data Use, Access and Citation	Cook, Frame, Cruse		X	R			
Acquire Data Holdings	Leadership Team			X	X	X	X
Implement Communications Plan	Michener, Allard, Koskela, Vieglais		X	R		R	
Ensure Financial Support and Sustainability	WG (Michener, Cruse)		X	X	X	X	X

Table 2 Key milestones for project lifetime. R = revision, X = completion

2. Work Breakdown Structure

The Work Breakdown Structure (WBS) provides a hierarchical decomposition of the project activities, with the different levels representing different levels of detail. In general, the levels represent:

Level 1. Major component of project. (Administer, CI, etc.)

Level 2. Major phases by component. (Plan, Prototype, Staff. Etc.)

Level 3. Major project deliverables and related milestones. (Identify major work deliverables such as published plans, subsystems that must be designed, built, and tested during each phase)

Level 4. Activities. (Identify activities needed to create deliverables and achieve milestones; some interim, smaller deliverables such as documents may be involved)

Level 5. Tasks. (Break activities down to an appropriate level of task detail; i.e., small enough for tracking)

WBS Example

- 2. Design, Build, and Maintain Cyberinfrastructure
 - 2.1. Design and deploy distributed collaboration and development environment
 - 2.1.1. Collaboration web site deployed
 - 2.1.2. Mailing lists and communication mechanisms deployed
 - 2.1.3. Issue, change, and risk tracking deployed
 - 2.2. Design and deploy prototype infrastructure
 - 2.2.1. Design prototype system architecture
 - 2.2.2. Define participation guidelines for DataONE prototype
 - 2.2.3. Prototype the Coordinating Nodes
 - 2.2.4. Implement Member Node prototypes
 - 2.2.5. Prototype Investigator toolkit
 - 2.2.6. Prototype infrastructure passes acceptance testing
 - 2.3. Design and deploy version 1.0 infrastructure**
 - 2.3.1. Evaluate the prototype implementation of the core-cyberinfrastructure. This process also applies to major releases of the core software.
 - 2.3.1.1. Evaluate the prototype infrastructure for performance, scalability, stability, and maintainability.
 - 2.3.1.1.1. Setup testing framework for evaluation process
 - 2.3.1.1.2. Test component interactions
 - 2.3.1.1.3. Evaluate system scalability
 - 2.3.1.1.4. Evaluate system reliability and stability (data consistency, connectivity) under different loads and failure scenarios
 - 2.3.1.2. Evaluate the various interfaces including portal user interfaces and the various APIs
 - 2.3.1.2.1. Evaluate web user interfaces
 - 2.3.1.2.2. Evaluate application-programming interfaces for usability by third party developers with focus on external facing CN, MN and ITK APIs.
 - 2.3.1.2.3. Evaluate usability of the investigator toolkit components

3. Resource Assignment Matrix

3.5 RACI – Resource Assignment Matrix

The following RACI, or responsibility matrix, delineates roles for the first year.

The key responsibilities are defined as follows:

- R – Those who do the work to achieve the task.
- A - Those who are ultimately accountable for the correct and thorough completion of the deliverable or task
- C - Those whose opinions are sought; and with whom there is two-way communication.
- I - Those who are kept up-to-date on progress, often only on completion of the task or deliverable; and with whom there is just one-way communication.

WBS		PI	EAB	LT	ED	D-D&O	D-O&E	CCIT & Developers	CEEWG	UAWG	SGWG
1	Project Administration										
1.1.	Project Planning										
1.1.1.	Produce Strategic Plan	A		R	I	I	I	I			
1.1.2.	Produce Implementation Plan (i.e., precursor to PMP)	A		R	I	I	I	I			
1.1.3.	Produce Project Management Plan (revised annually)	A	I	R	R	I	I	I	I	I	I
1.2.	Establish External Advisory Board (EAB)										
1.2.1.	Comprise EAB membership	I		A, R	I	I	I				R
1.2.2.	Complete EAB charter	I		A, R	I						R
1.2.3.	Convene EAB meetings	A, R		I	R						R
1.3.	Establish Working Groups (WG) (break into individual WGs)										
1.3.1.	Plan for WGs	I		R	I	A	A			R	
1.3.2.	Populate WGs			R	I	S	A			R	
1.3.3.	Convene key WG meetings			I	A	R	R			R	
1.4.	Establish DataONE Int'l Users Group										

4. Project Schedule

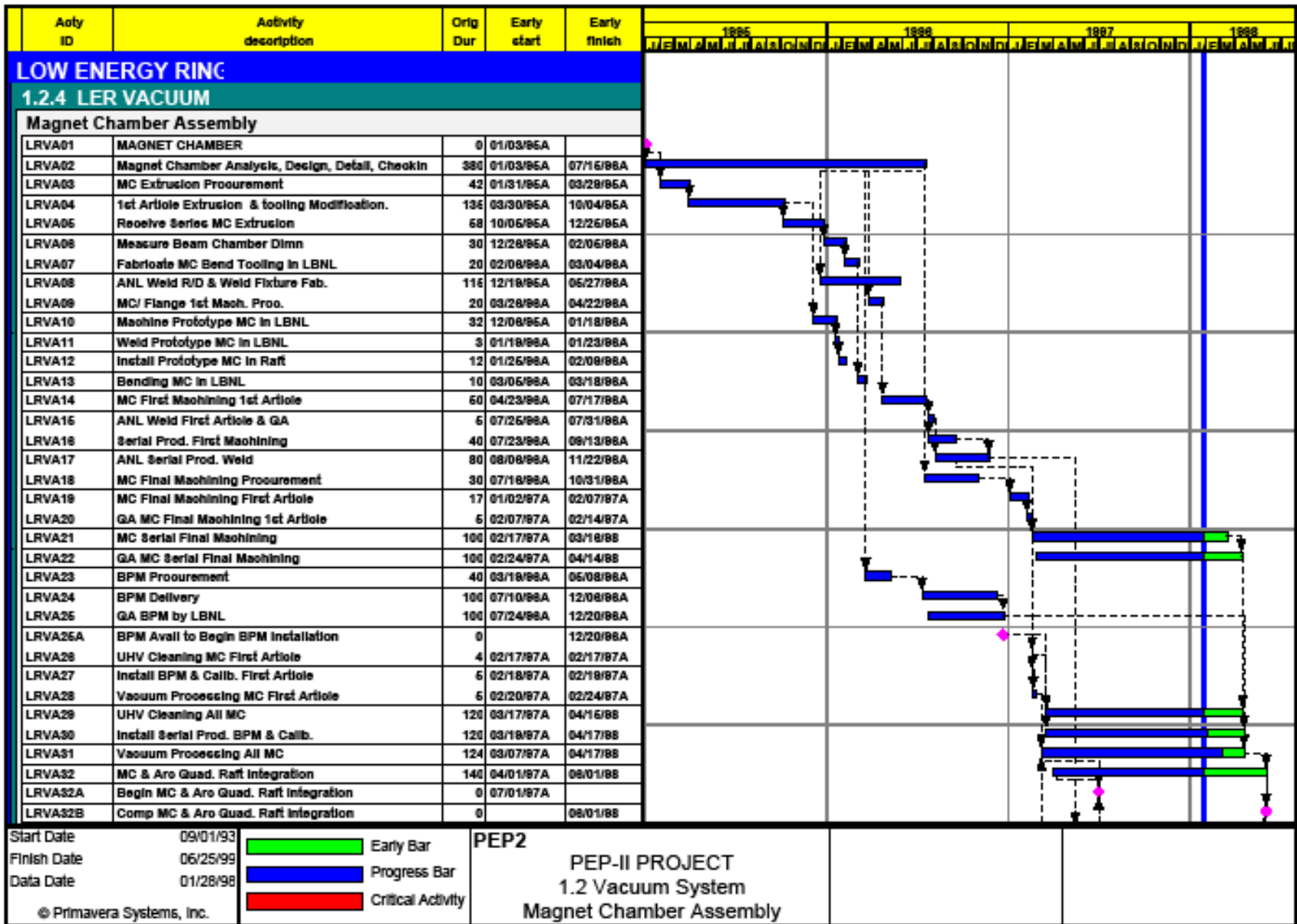
3.6 Project Schedule

3.6.1 Scheduled Year 1 Activities

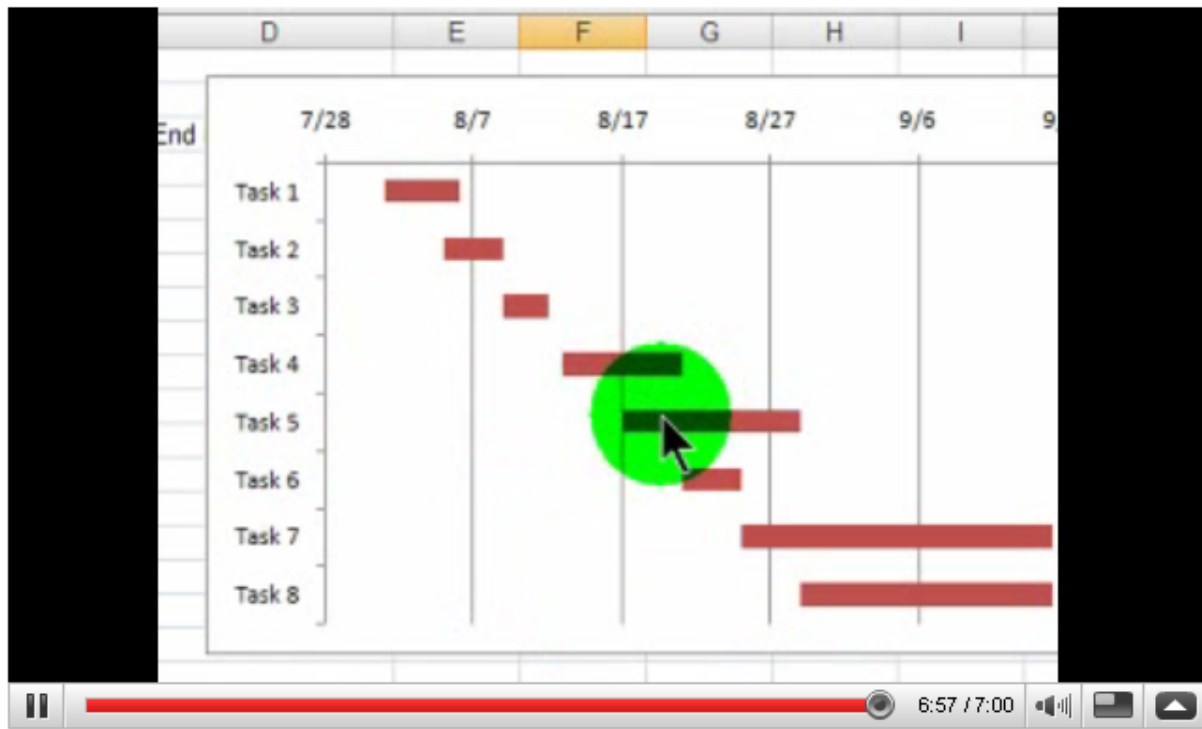
Key activities that are currently scheduled for 2009-2010 include:

Meetings

- 17-19 November 2009 – EVA Working Group meeting in Albuquerque, NM (co-chaired by S. Kelling and R. Cook).
- 17-19 November 2009 – Meeting of VDC and Core CI Team plus key CI experts at the University of Tennessee-Knoxville (co-chaired by D. Vieglais, M. Jones, and B. Wilson).
- 11 December 2009 – Meetings with current (Goble, Buneman, De Roure) and prospective UK DataONE collaborators (William Michener).
- 2-4 February 2010 – Meeting of Community Engagement/Education/Outreach/Training (CE/EOT) cluster at University of Tennessee-Knoxville (co-chairs V. Hutchinson, S. Hampton, and S. Allard).
- 16-18 February 2010 – Meeting of VDC and Core CI Team plus key CI experts at the UC-Santa Barbara (co-chaired by D. Vieglais, M. Jones, and B. Wilson).
- 24 May 2010 – DataONE Leadership Team Meeting in Albuquerque, NM (co-chairs W. Michener, D. Vieglais, and R. Koskela).
- 25-27 May 2010 – DataONE Joint CI/CE Meeting in Albuquerque, NM (co-chairs W. Michener, D. Vieglais, and R. Koskela).



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 - Briefings (20 mins.; 5 mins. per topic)
 - Round-the-room if time allows
 - Round-the-room (10 mins.; 1-2 mins./person)
 - send agenda and reminder in advance
- Tools
 - Skype, ichat, webex, freeconferencing services, etc.

Your “tool” and “approach” ideas:

- Proposal Development?
- Project Management?