NASA Human Resources Management Using Process Libraries and Electronic Handbooks

(Where Shakespeare Meets Freud)



Quick Summary





Dr. Barry E. Jacobs barry.e.jacobs@comcast.net

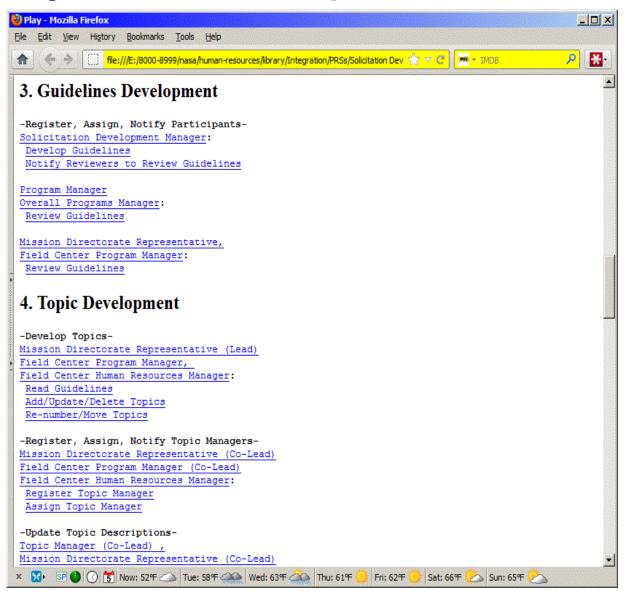
The Bottom Line:

We believe that to truly understand one's universe, one must see it thru multiple "eyes" and also have tools to "communicate" these views.

To do this, we propose editable and cost-saving process documentation "plays" for process developers and participants to help them quickly and effectively learn, integrate, test, teach, and work together.

These "plays" may be added to new or existing systems.

Plays describe subprocess execution.



Benefits:

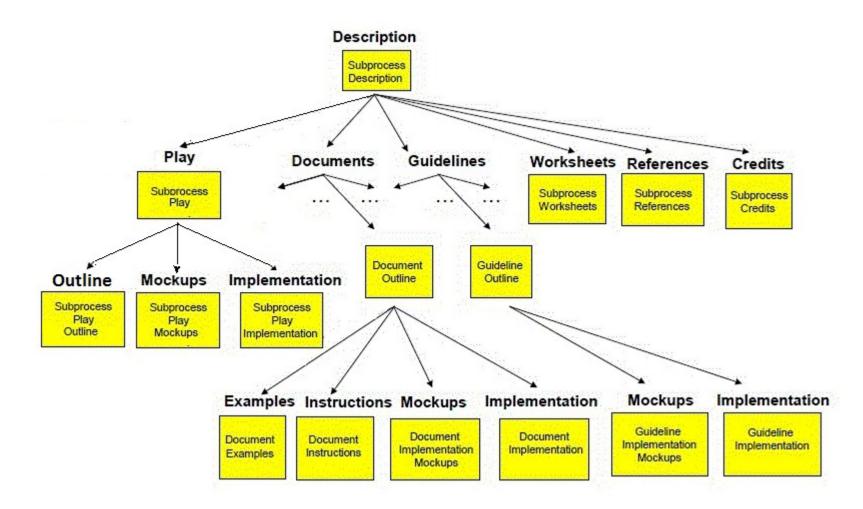
- Facilitates the collection of system and organizational requirements,

- Does not anger/upset people whose opinions are heard,

and

- Increases the interaction between managers, process developers, and participants.

For each subprocess, an "Integration View" is the integration or combination of other subprocess views. An "Integration View" facilitates intra- and inter-organization communication.



All the world's a stage ...

Jaques:

All the world's a stage,

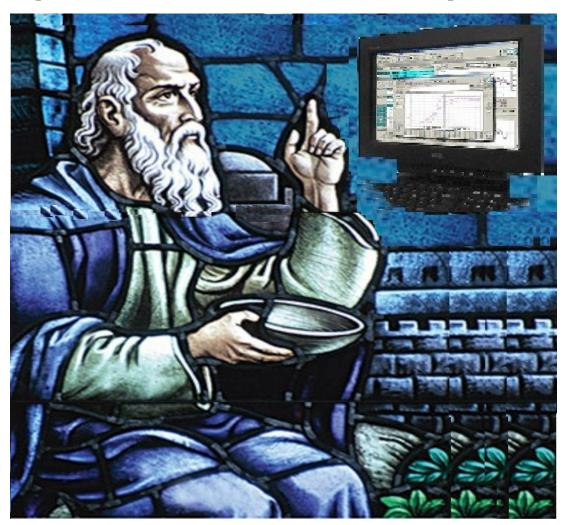
And all the men and women merely players;

They have their exits and their entrances,

And one man in his time plays many parts,

His acts being seven ages.

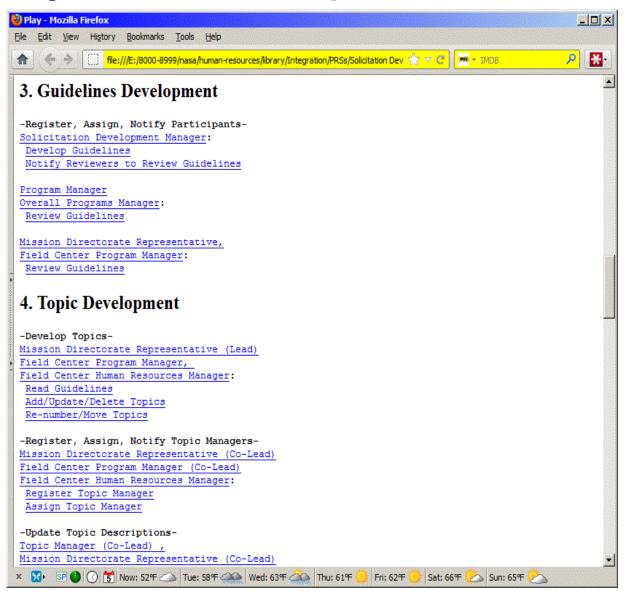
William Shakespeare As You Like It, Act 2, Scene 7. The approach uses a modernization of the Socratic Method or Dialogue to gain consensus between Teachers, Documentors, Managers, Implementors, and Participants.



Descriptions summarize subprocesses.

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Solicitation Development Table of Contents	
1. <u>Overview</u> 2. <u>Play</u> 3. <u>Documents</u> 4. <u>Guidelines</u> 5. <u>Others</u>	
1. Overview	
In this subprocess, we deal with the process of developing,, reviewing, and distributing the Solicitation.	
Organization: ORG	
<u>All-Files</u> . These are all the view files. <u>Benefits</u>	_
2. Play	
In this subprocess, the play is divided in several parts:	•
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Plays describe subprocess execution.



Documents describe subprocess data.

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8. Analysis. This is where participants use report tools.	_
3. Documents In this subprocess, we have the following document types:	
<u>Registrations</u> . These are used to represent user Registrations. <u>Guidelines</u> . These are used to represent Solicitation Development Guidelines.	
Topics. These are used to represent Solicitation Topics. Front-End_These are used to represent Solicitation Front-Ends. Pre-Solicitation_These are used to represent Pre-Solicitations. Pre-Solicitation Reviews and Approvals. These are used to represent Pre-Solicitation Public Comments. Solicitation_These are used to represent Pre-Solicitation Public Comments. Solicitation_These are used to represent Pre-Solicitation Public Comments. Solicitation_These are used to represent Solicitations. Solicitation Reviews and Approvals. These are used to represent Solicitation Reviews and Approvals. Solicitation Reviews and Approvals. These are used to represent Solicitation Reviews and Approvals. Solicitation Reviews and Approvals. These are used to represent Solicitation Reviews and Approvals. Outreach Records. These are used to represent Outreach Records.	
4. Guidelines In this subprocess, we have the following Guidelines:	
In this subprocess, we have the following oundemics.	
Solicitation Development Manager. This is the manager of the Solicitation Development subprocess.	
Program Manager. This is the manager of the Program. Mission Directorate Representative. This is the Mission Directorate Representative of the Program.	
Field Center Program Manager. This is the Field Center Program Manager of the Program.	
Eicld Contor Acticor Tochnology Manager This is the Eicld Contor Acticor Tochnology Manager of the Drogram Image: Section 10 (1997) Image: Section 10 (1997) <	Sun: 81 % ෫

Guidelines describe user subprocesses.

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4. Guidelines	
In this subprocess, we have the following Guidelines:	
Solicitation Development Manager. This is the manager of the Solicitation Development subprocess.	
Program Manager. This is the manager of the Program.	
Mission Directorate Representative. This is the Mission Directorate Representative of the Program.	
Field Center Program Manager. This is the Field Center Program Manager of the Program.	
; <u>Field Center Advisor-Technology Manager</u> . This is the Field Center Advisor-Technology Manager of the Program.	
Lead Topic Manager. This is the Lead Topic Manager of the Program.	
Participating Topic Manager. This is the man Participating Topic Manager of the Program.	_
Mission Advisor. This is the Mission Advisor of the Program.	
Potential Customer Representative. This is the Potential Customer Representative of the Program.	
Procurement Manager. This is the Procurement Manager of the Program.	
EHBs Developer. This is the Developer of the EHBs.	
Organization Manager. This is the person managing the Organization.	
Overall Organizations Manager. This is the person managing the overall Organizations.	
	_
5. Others	
In this subprocess, we have the following other tools:	
,	
Worksheet. This is the guidelines for the manager/director	<u> </u>
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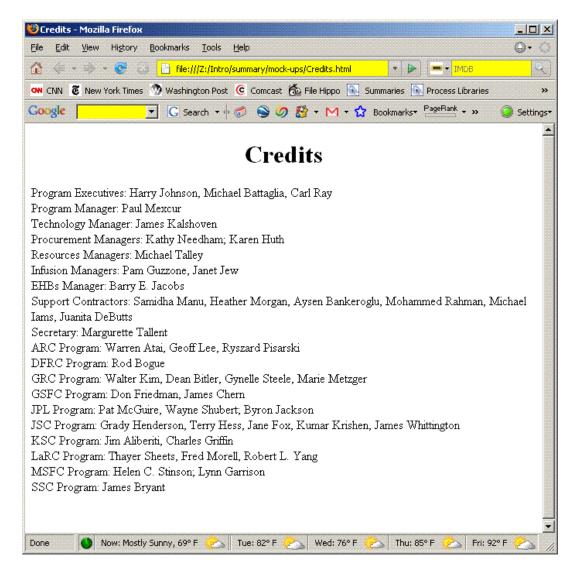
Subprocess Worksheets facilitate subprocess manager communication with process developers and participants.

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							Doc	uments			
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Administration	The purpose of this task is to administer Project Development .	Task Lead, Subtask Lead, Subtask Lead, Member, Reviewer, Approval Official, Project Manager, Documents Manager	James Green	07/23/07	08/23/07	Document Library	Instructions and Samples	James Green	06/23/07	07/23/07	<u>Library:</u> NS2034
		Task Lead, Subtask Lead,				Critical Design Review	Instructions and	James Green	06/23/07	07/23/07	Library: NS2034
		Subtask Mombor				(CDR)Documents	<u>Samples</u>				
Critical Design Review (CDR)	The purpose of this task is to administer Critical Design Review (CDR)	Member, Reviewer, Approval Official,	James Green	06/23/07	06/23/07	(UDR)Documents Draft Project Requirements Document	<u>Instructions and</u> Samples	James Green	06/23/07	07/23/07	Library: NS2034
Critical Design Review (CDR)		Member, Reviewer, Approval		06/23/07	06/23/07	Draft Project Requirements	Instructions and	James	06/23/07	07/23/07	
Critical Design Review (CDR)		Member, Reviewer, Approval Official, Project Manager, Documents		06/23/07	06/23/07	Draft Project Requirements Document	Instructions and Samples	James Green James			NS2034

References list other related resources.

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Templates:			
NPR 7123.1A (NODIS)			
Program Plan			
Program Life Cycle Diagram			
Project Plan			
Project Life Cycle Diagram			
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Project Gate Products			
Changes/Waivers:			
Project Categorization			
<u>General Waivers</u>			
Key Decision Points			
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Credits acknowledge people's contributions.



Tools that can be focused on during stagesby tool.

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Tools that can be focused on during stagesby stage.

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		Tools To Focus On Dur	ing Stages- By Stage.	
	Stage	Process Developer	Process Participant	
	Learn	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	
	Integrate	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Documents Using Role Guidelines/EHBs.	
	Test	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	
	Teach	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	
	Work Together	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	

Objective: Develop Internet-based tools to support the paperless documentation and management of complex distributed processes.

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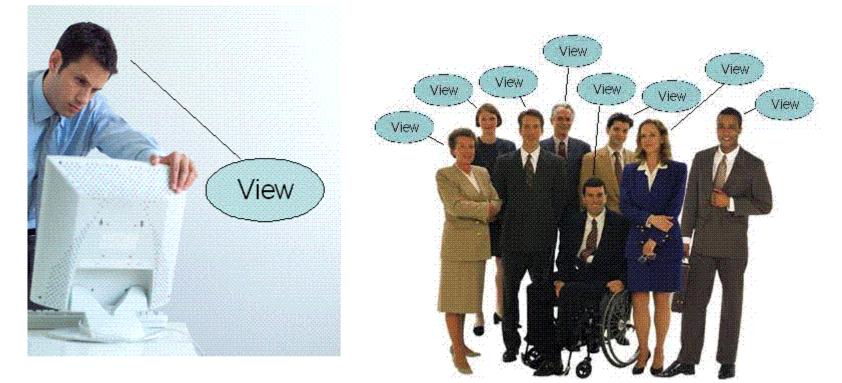
Organizations provide different views of the subprocesses, some of which may be proprietary.

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Organizations execute the eight "Play Development" stages.

- 1) summarizing (descriptions),
- 2) playwriting (outlines),
- 3) staging (mockups),
- 4) dress rehearsal (implementations),
- 5) performance (implementations),
- 6) evaluations (implementations),
- 7) revisions (outlines, mockups, implementations),
- and
- 8) closing.

People in organizations provide different views of the subprocesses



Subprocess Documentor's View

Subprocess Teacher's, Manager's, Implementor's and Participant's Views

Organizations generate Subprocess Life-Cycle* Views

- Organization subprocess teachers want to quickly learn, integrate, test, and teach their own views of their subprocesses. (Critical)
- Organization subprocess documentors want to quickly learn, integrate, test, and teach their own views of their subprocesses. (Critical)
- Organization subprocess managers want to quickly learn, integrate, test, and teach their own views of their subprocesses. (Critical)
- Organization subprocess implementors want to quickly learn, integrate, test, and teach their own views of their subprocesses. (Critical)
- Organization subprocess participants want to quickly learn, integrate, and perform tasks that are part of their views. (Critical)
- Organization subprocess managers want to quickly monitor execution of tasks that are part of their views.
- Organization subprocess teachers, documentors, managers, implementors, and participants want to quickly improve, test, and teach their subprocesses.
- Organization subprocess teachers, documentors, managers, implementors, and participants want to quickly improve, test, and teach using other organization's views.
- Organization subprocess teachers, documentors, managers, implementors, and participants become hurt/angry when their views are not supported.
- Organization subprocess implementors want to quickly update, test, and teach tools that help facilitate execution of their subprocesses.
- Organization subprocess teachers, documentors, managers, implementors, and participants want to quickly leave when their views continue not to be supported.

* Also, called the "Universal Subprocess".

The "Game of Telephone" Syndrome: Where People Pass-On Only Parts of the "Message"





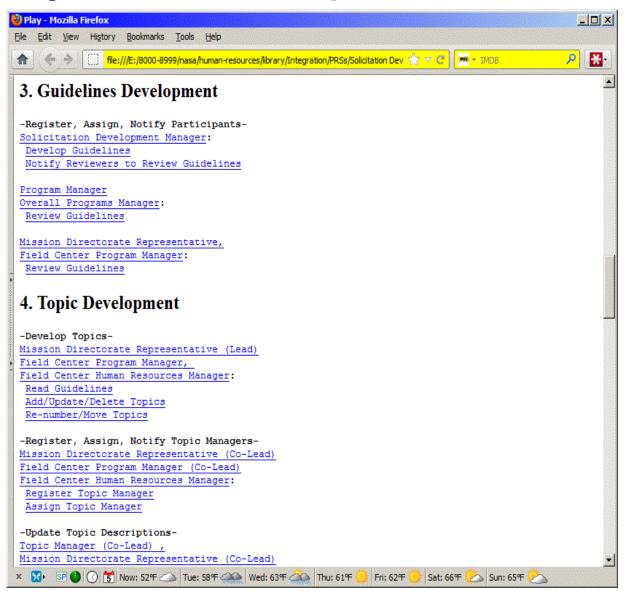
Overview of how editable and cost-saving process documentation tools can solve problems.

Problem	Solution
Develop Internet-based tools to support the paperless documentation and management of complex distributed processes.	Editable process documentation tools can be tailored to each subprocess.
Organizations provide different views of the subprocesses.	Editable process documentation tools can be tailored to reflect different organization's views of the subprocess.
Organizations execute the eight "play development" stages.	Editable process documentation tools can be tailored to reflect the eight "play development" stages.
People in organizations provide different views of the subprocesses.	Editable process documentation tools can be tailored to communicate different people's views of the subprocess.
Organizations generate Subprocess Life-Cycle Views.	Editable process documentation tools can be tailored to reflect different Life-Cycle views of the subprocess.
The "Game of Telephone" Syndrome: Where People Pass-On Only Parts of the "Message".	Editable process documentation tools can be tailored to layer below different people's views of the subprocess.

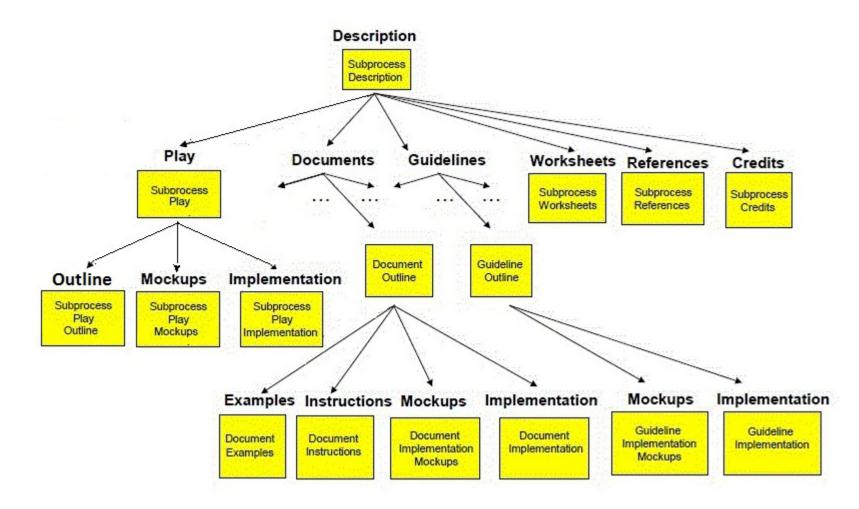
Solution: Process Libraries maintain organization's views of the subprocesses.

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Plays describe subprocess execution.



Our basic approach is to wrap organization's subprocesses in a common envelope containing "communication vehicles" that facilitate intra- and inter-organization communication.



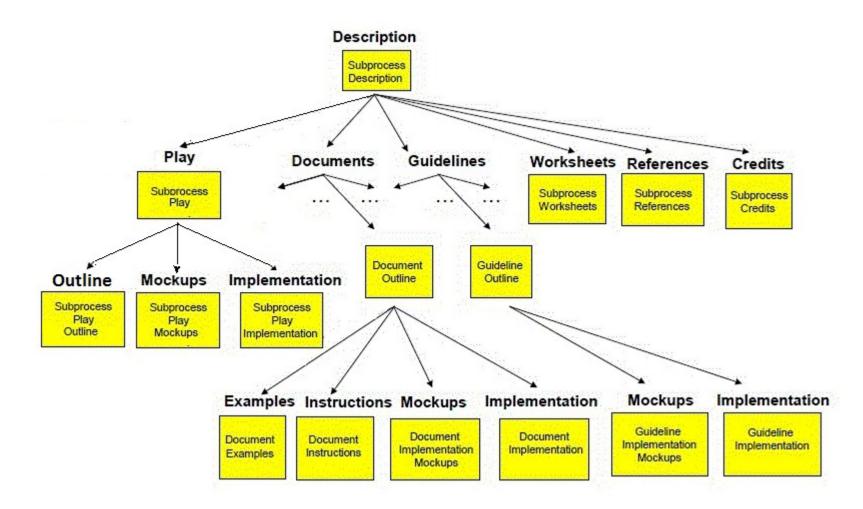
Tools that can be focused on during stagesby tool.

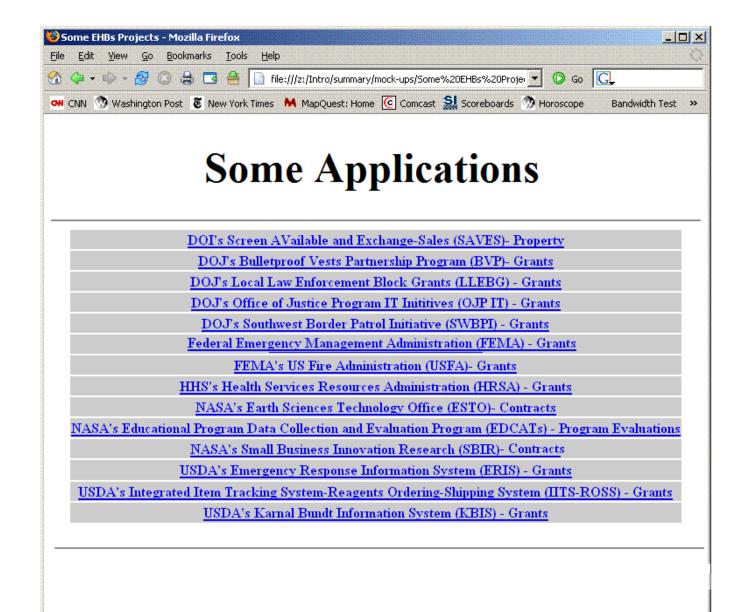
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-	Documents	Learn, Integrate, Test, Teach, Work Together	Learn, Integrate Document: Using Role Guidelines/ZHBs, Test, Tesch, Work Together	
	Role Guidelines/EHBs	Learn, Integrate, Test, Tesch, Work Together	Learn, Integrate Document: Using Role Guidelines/IHBs, Test, Tesch, Work Together	
	Subprocess Worksheets	Learn, Integrate, Test, Teack, Work Together	Learn, Integrate Documents Using Role Guidelines/ZHBs, Test, Teach, Work Together	
	References	Learn, Integrate, Test, Tesch, Work Together	Learn, Integrate Documents Uning Role Guidelines/ZHBs, Test, Tesch, Work Together	
	Credits	Learn, Integrate, Test, Teach, Work Together	Learn, Integrate Documents Using Role Guidelines/ZHBs, Test, Tesch, Work Together	

Tools that can be focused on during stagesby stage.

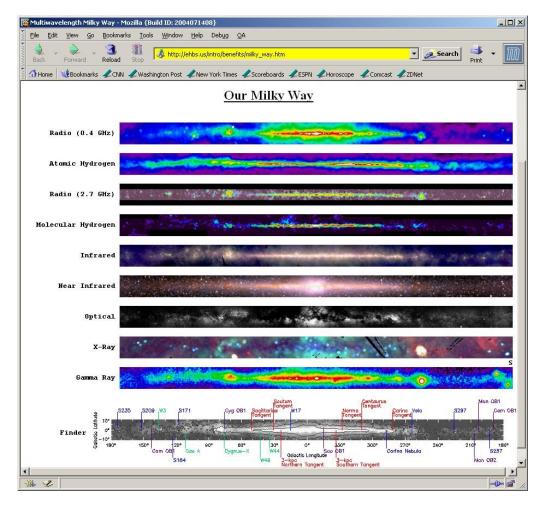
dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookmarks <u>T</u> ools (b ehbs.org/intro/summary/stage)			🏟 🗣 🛛 🔀 🖓 Google	Q 🖗 🕫
		Tools To Focus On During Stages- By Stage.		
	Stage	Process Developer	Process Participant	
	Learn	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	
	Integrate	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Documents Using Role Guidelines/EHBs.	
	Test	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	
	Teach	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	
	Work Together	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	Descriptions, Plays, Documents, Role Guidelines/EHBs, Subprocess Worksheets, References, and Credits.	

For each subprocess, an "Integration View" is the integration or combination of other subprocess views. An "Integration View" facilitates intra- and inter-organization communication.





We believe that to truly understand one's universe, one must see it thru multiple "eyes" and also have tools to "communicate" these views.





Process Libraries (PLs) and Electronic Handbooks (EHBs) are where Shakespeare meets Freud.



- In Process Libraries (PLs), subprocesses are represented as "plays" where "actors" communicate thru the Internet. Each organization puts on its own "productions". For each role, Electronic Handbooks (EHBs) (also called Guidelines) guide "actors" thru their parts. Managers are "directors" using Worksheets as learning/management tools. Documentors serve as "playwrights". [Shakespearean]
- Organizations are represented as "families" having "multiple personalities". Subprocess "plays" and its "components" provide communication vehicles between members of the same family, different families, and families from different subprocesses. Documentors also serve as "family therapists". [Freudian]

All the world's a stage ...

Jaques:

All the world's a stage,

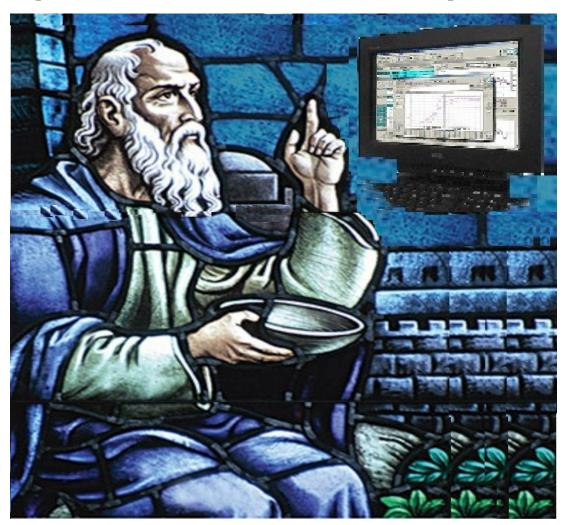
And all the men and women merely players;

They have their exits and their entrances,

And one man in his time plays many parts,

His acts being seven ages.

William Shakespeare As You Like It, Act 2, Scene 7. The approach uses a modernization of the Socratic Method or Dialogue to gain consensus between Teachers, Documentors, Managers, Implementors, and Participants.



Theatre of Dionysus- Athens, Greece



For More Details

