



Documentation

2014-07-20

WBStool 8 Standard	4
WBS – Gantt – Elements.....	5
Work Breakdown Structure.....	7
WBS – Numbering	8
WBS – Subelements Horizontal.....	9
Show Partial Tree.....	10
Product Breakdown Structure.....	11
Gantt Chart	12
Mouse Snap to Days or Weeks.....	13
Predecessor/Follower.....	14
Forward Scheduling	15
Backward Scheduling.....	16
Critical Path.....	17
Effort & Cost	18
Resources	19
Copy, Save and Print Plans as Images.....	21
Document Management	22
Import from txt-File	23
Export to Excel.....	24
Microsoft Project Export/Import.....	25
Design & Colors	27
WBStool 8 Steering	28
Baseline	29
Controlling – Started/Finished	31
Controlling – Actual Effort & Cost	32
Controlling – Plan vs. Actual Effort & Cost	34
Controlling – Schedule.....	35

Earned Value.....	36
WBStool 8 Enterprise	37
Multi Project Management	38
General.....	45
Collapse/Expand Levels	46
Import from WBStool7	47
Help.....	48
License Key & Updates	49
Shortcuts.....	50
Documentation.....	51
Technical Specifications.....	52
Logos.....	53
Contact	54

WBStool 8 Standard

Project - WBSTool8

Planning Controlling

WBS Gantt Elem Views

Element WBS Gantt Cost General

1 2 3 4 5 6

Project

1 Phase 1

1.1 Work Package 1

1.2 Work Package 2

1.3 Work Package 3

1.4 Work Package 4

2 Phase 2

2.1 Work Package 1

2.1.1 Sub Work Package

2.1.2 Sub Work Package

2.2 Work Package 2

2.2.1 Sub Work Package

2.2.2 Sub Work Package

2.3 Work Package 3

2.3.1 Sub Work Package

2.3.2 Sub Work Package

2.4 Work Package 4

3 Phase 3

3.1 Work Package 1

3.2 Work Package 2

3.3 Work Package 3

3.4 Work Package 4

4 Phase 4

4.1 Work Package 1

4.2 Work Package 2

4.3 Work Package 3

4.4 Work Package 4

7

8

9

Project

1 Phase 1

1.1 Work Package 1

1.2 Work Package 2

1.3 Work Package 3

1.4 Work Package 4

2 Phase 2

2.1 Work Package 1

2.1.1 Sub Work Package

2.1.2 Sub Work Package

2.2 Work Package 2

2.2.1 Sub Work Package

2.2.2 Sub Work Package

2.3 Work Package 3

2.3.1 Sub Work Package

2.3.2 Sub Work Package

2.4 Work Package 4

3 Phase 3

3.1 Work Package 1

3.2 Work Package 2

3.3 Work Package 3

3.4 Work Package 4

4 Phase 4

4.1 Work Package 1

4.2 Work Package 2

4.3 Work Package 3

4.4 Work Package 4

Mar 2014 Apr 2014 Mai 2014

WBS code 3.2

Work Package 2

Responsible

Start 08.04.2014 15

End 22.04.2014 15

Elapsed 15

Planned work h 12

% finished 0 %

Planned extC € 1 000

Total € 1 480

Documents

25 elements

C:\Users\ds_000\Documents\WBSTool8\SampleProject.wbsx

- 1 Turn on/off WBS, Gantt and element properties area
- 2 Manage WBS elements
- 3 WBS settings
- 4 Gantt settings
- 5 Cost definitions
- 6 General settings
- 7 (Double click): detailed description of WBS elements
- 8 Element properties
- 9 (Double click): rename WBS element

Work Breakdown Structure

SampleProject_Baseline - WBStool8

Planning Controlling Options

Views: WBS, Gantt, Elem, Cost, Histo

WBS: R 11, h 60, \$ 100 %

Gantt: M+W M, Days

Element: h 50, €

Cost: Segoe UI, All Levels, 1.1 Start nbr

Docs: ? Help

Project

1 Phase 1

1.1 Work Package 1

1.2 Work Package 2

1.3 Work Package 3

1.4 Work Package 4

2 Phase 2

2.1 Work Package 1

2.2 Work Package 2

2.3 Work Package 3

2.3.1 Sub Work Package

2.4 Milestone 1

3 Phase 3

3.1 Work Package 1

3.1.1 NEW

3.2 Work Package 2

3.3 Work Package 3

3.4 Work Package 4

4 Phase 4

4.1 Work Package 1

4.2 Work Package 2

4.3 Milestone 2

21 elements

SampleProject_Baseline - WBStool8

Planning Controlling Options

Views: WBS, Gantt, Elem, Cost, Histo

WBS: R 11, h 60, \$ 150 %

Gantt: Months L, Days

Element: h 50, €

Cost: Segoe UI, All Levels, 1.1 Start nbr

Docs: ? Help

Project

1 Phase 1

1.1 Work Package 1

1.2 Work Package 2

1.3 Work Package 3

1.4 Work Package 4

2 Phase 2

2.1 Work Package 1

2.2 Work Package 2

2.3 Work Package 3

2.3.1 Sub Work Package

2.4 Milestone 1

3 Phase 3

3.1 Work Package 1

3.1.1 NEW

3.2 Work Package 2

3.3 Work Package 3

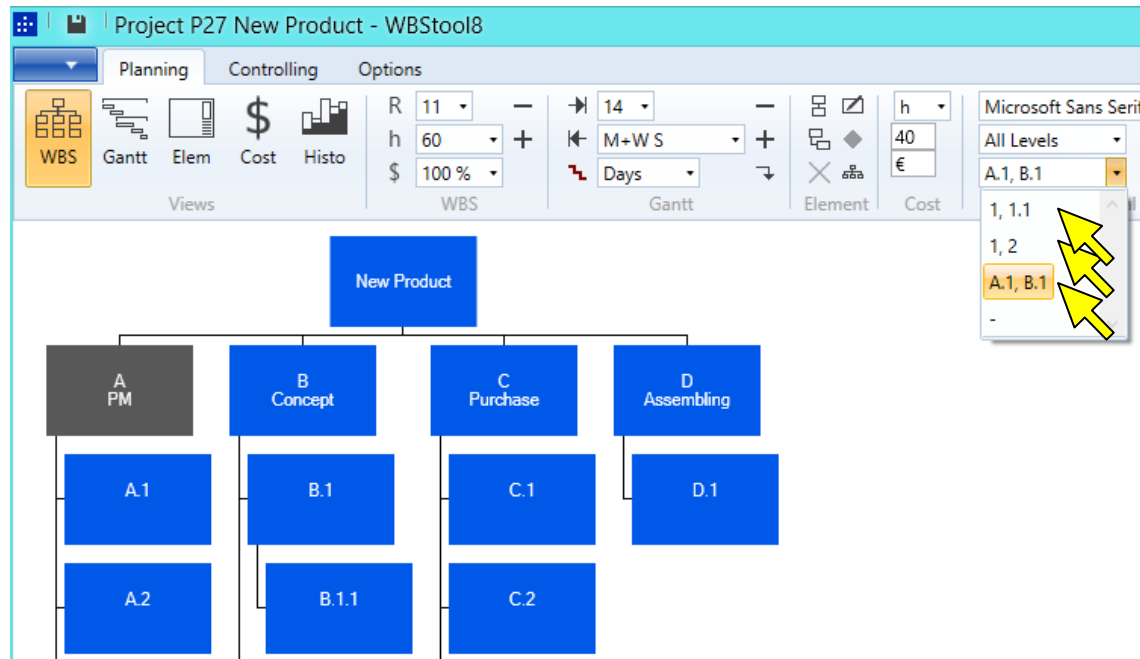
3.4 Work Package 4

4 Phase 4

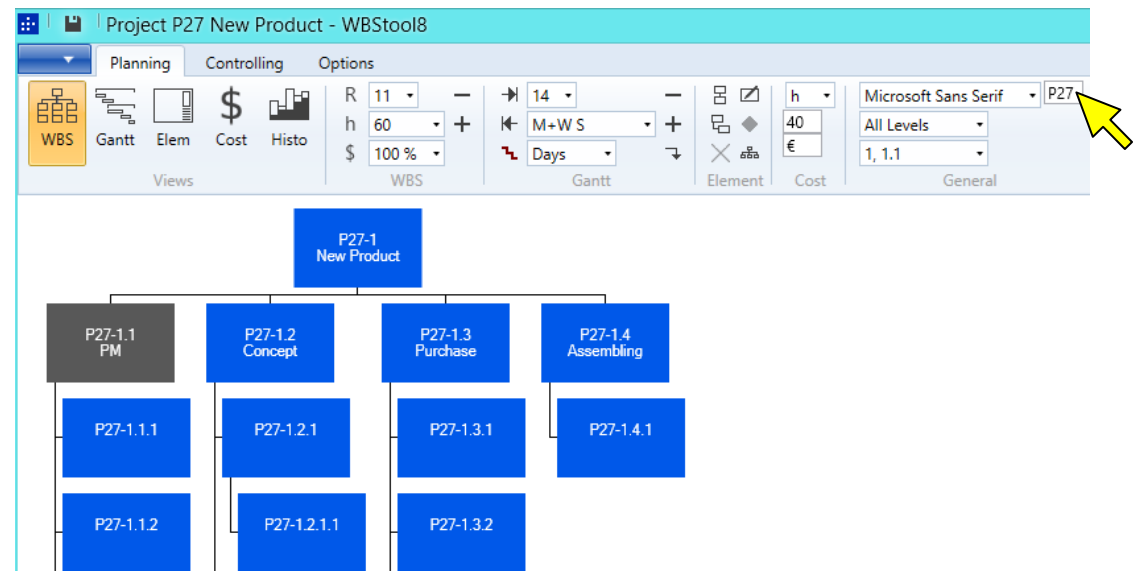
4.1 Work Package 1

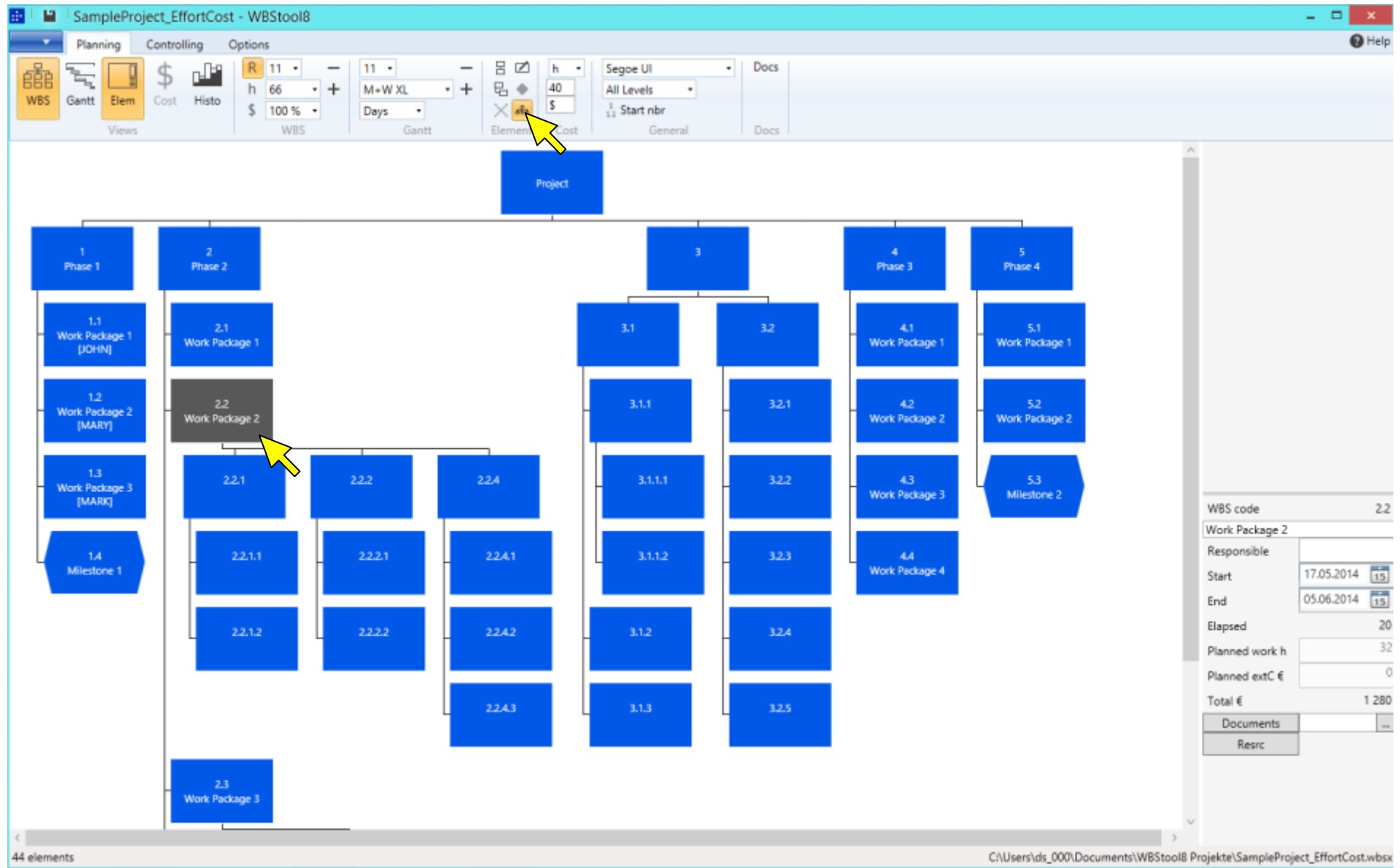
4.2 Work Package 2

4.3 Milestone 2

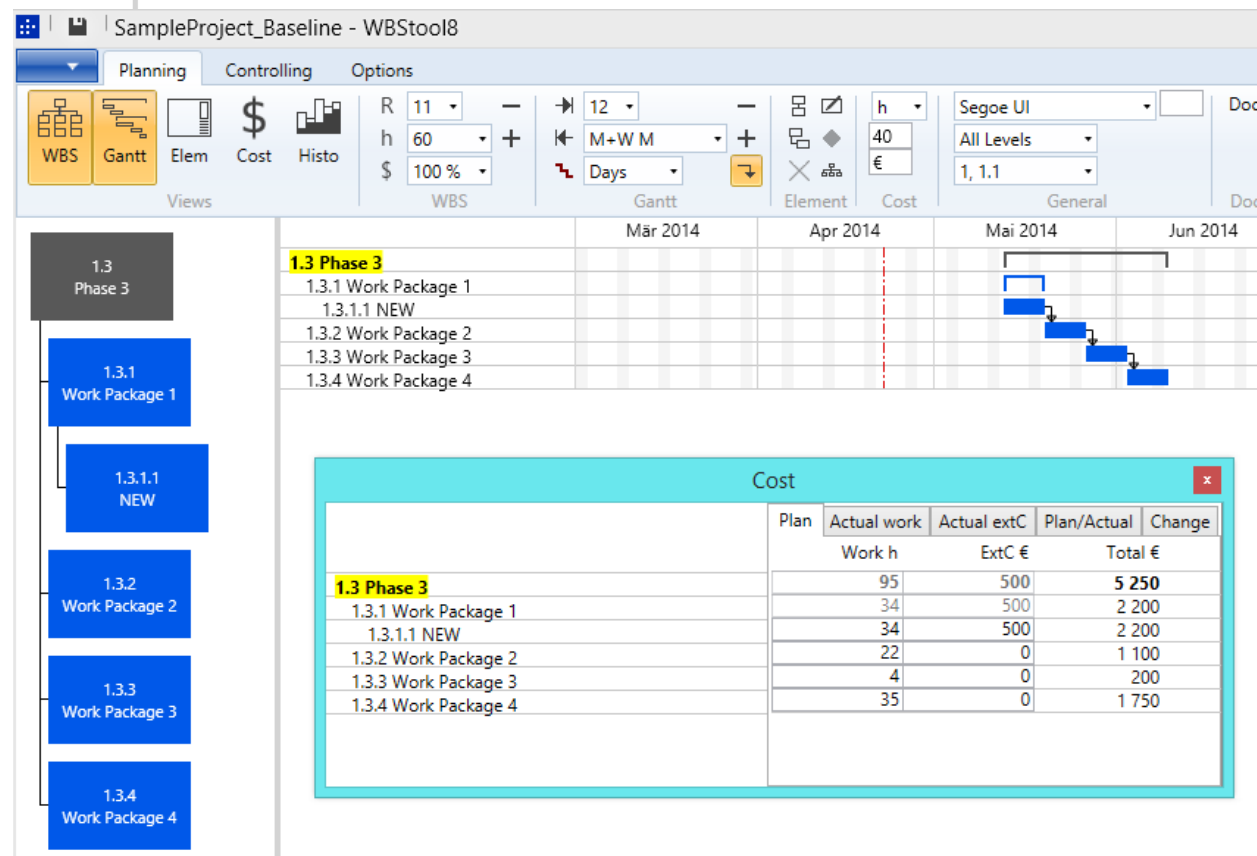
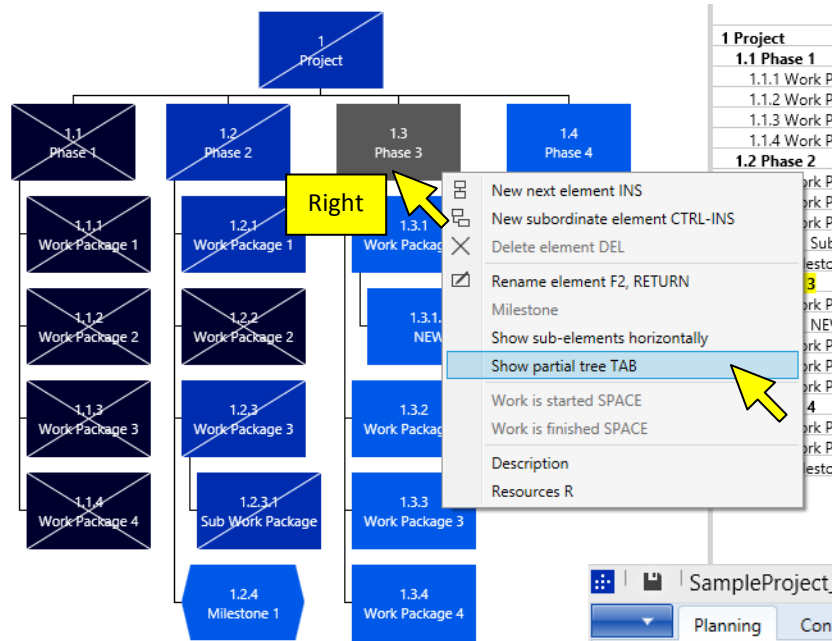


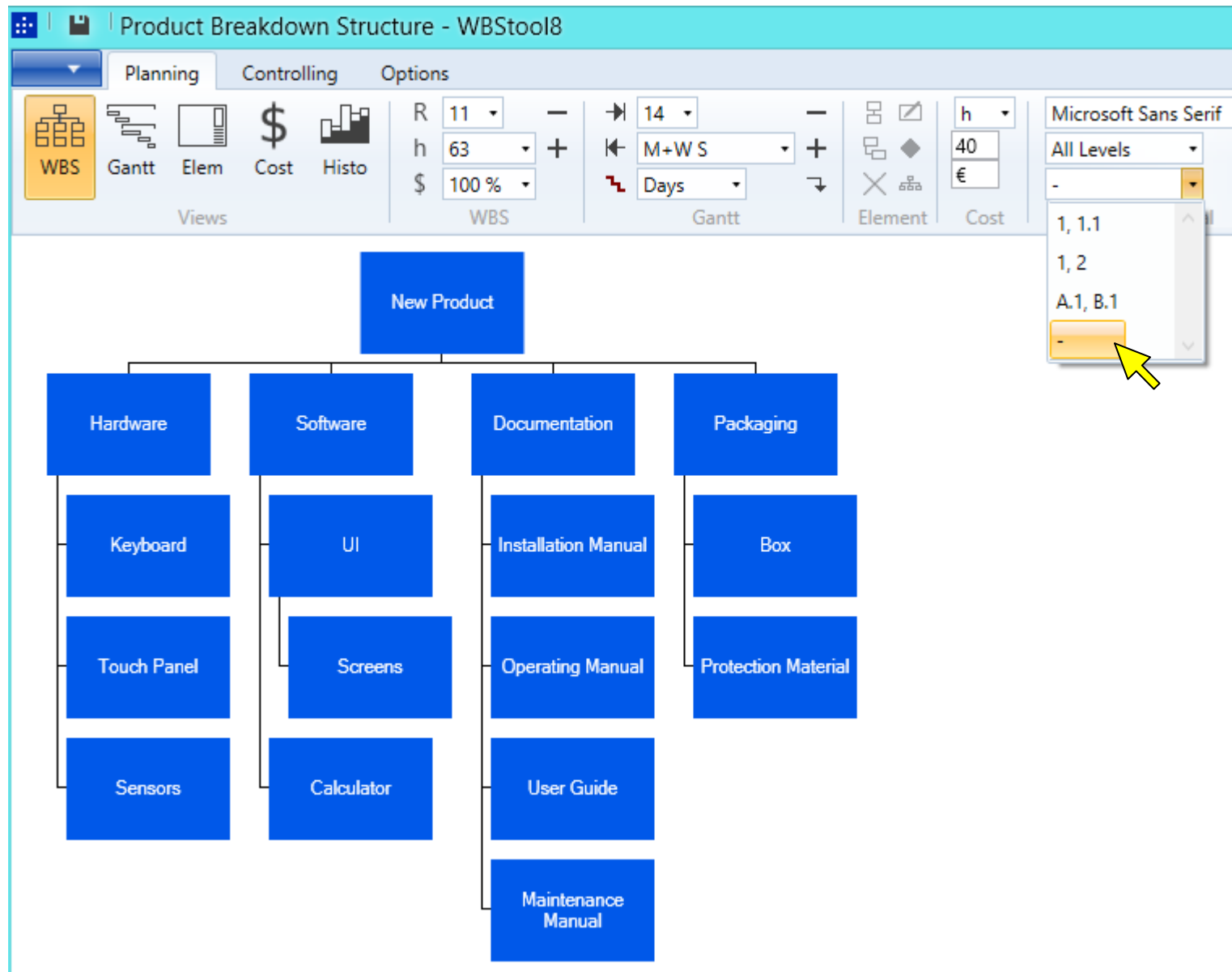
- 1, 1.1, 2.1, ...
- 1, 2, 3, 1.1, 1.2, ...
- A, B, C, A.1, B.1, ...
- Including project number



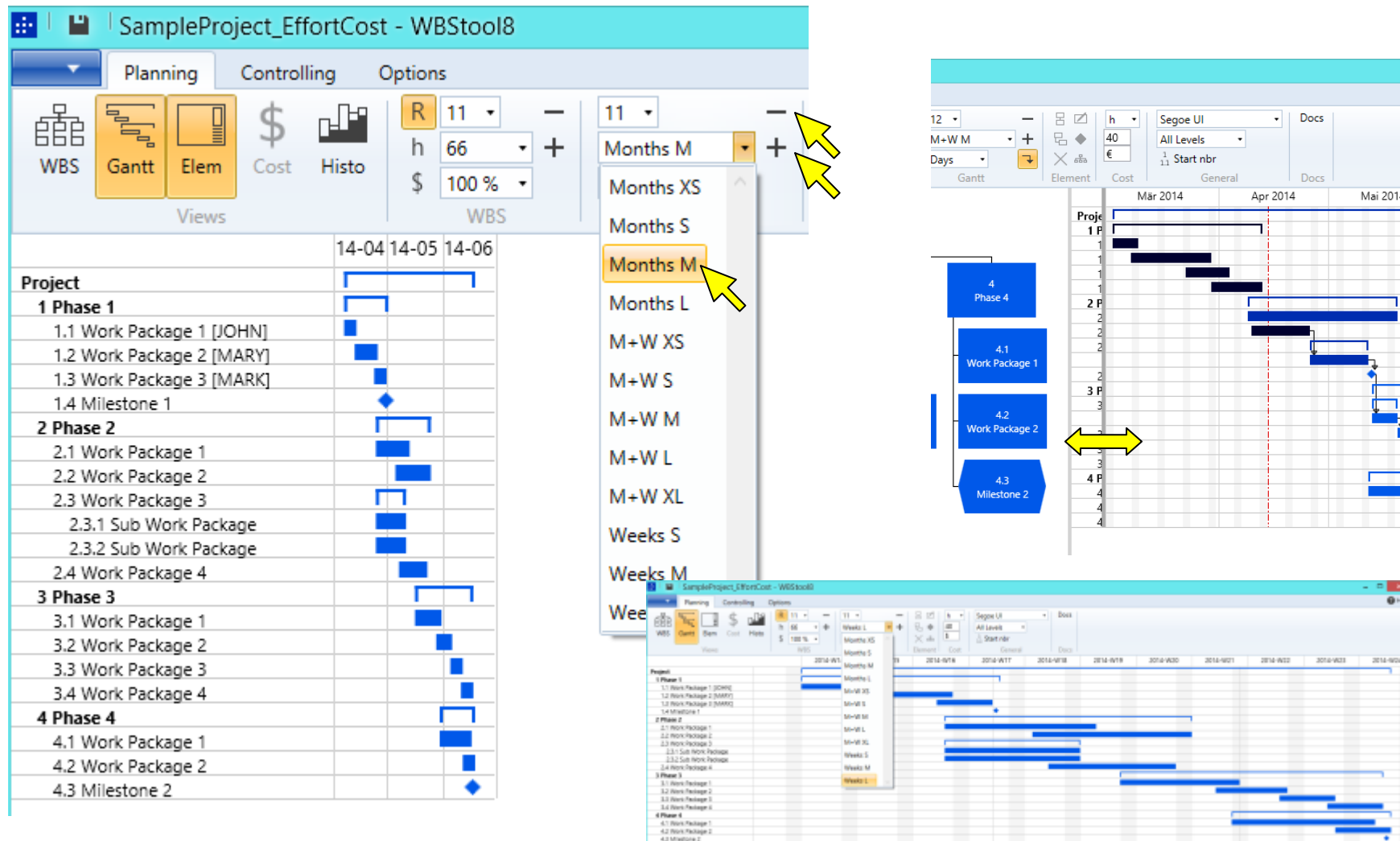


Show Partial Tree

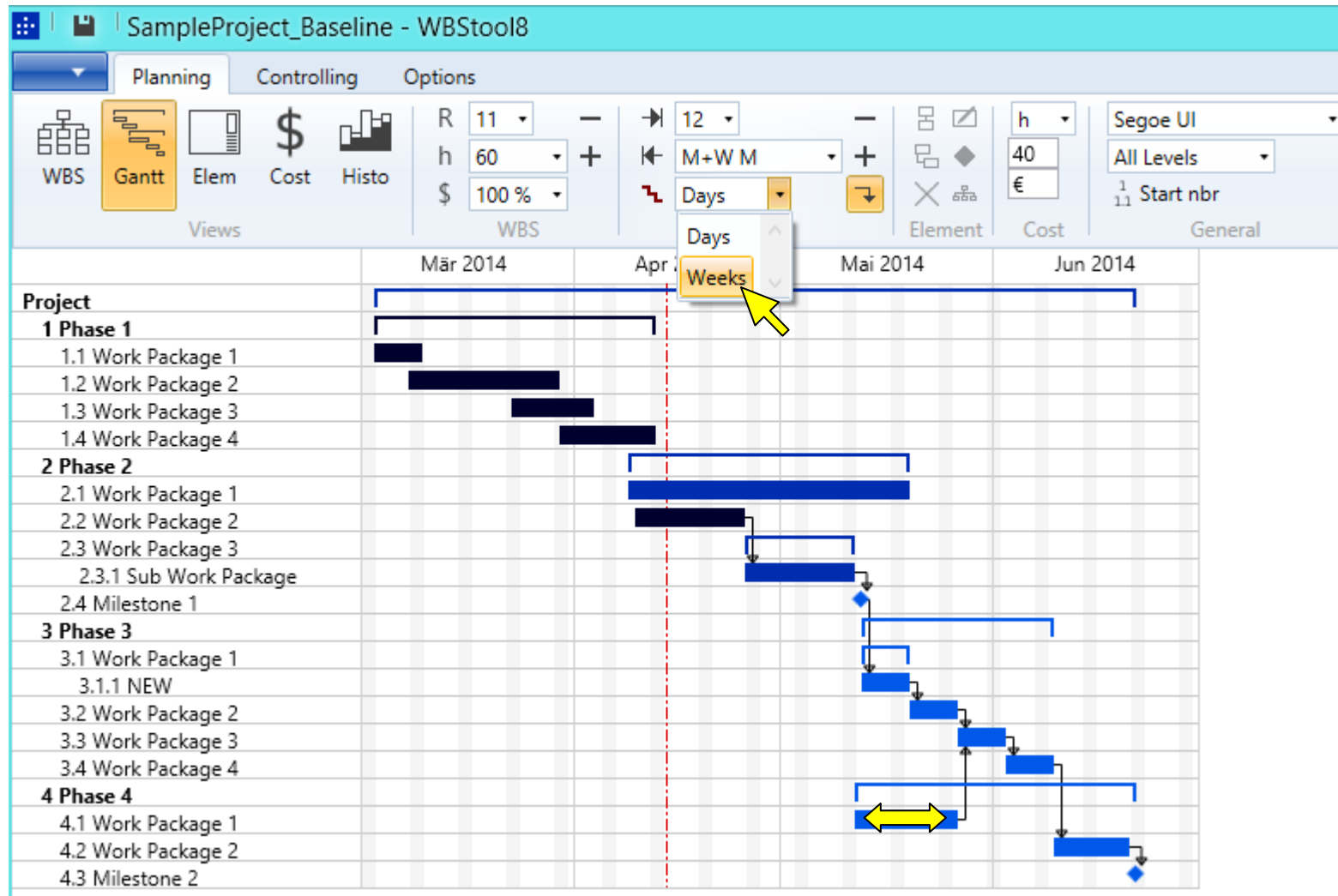




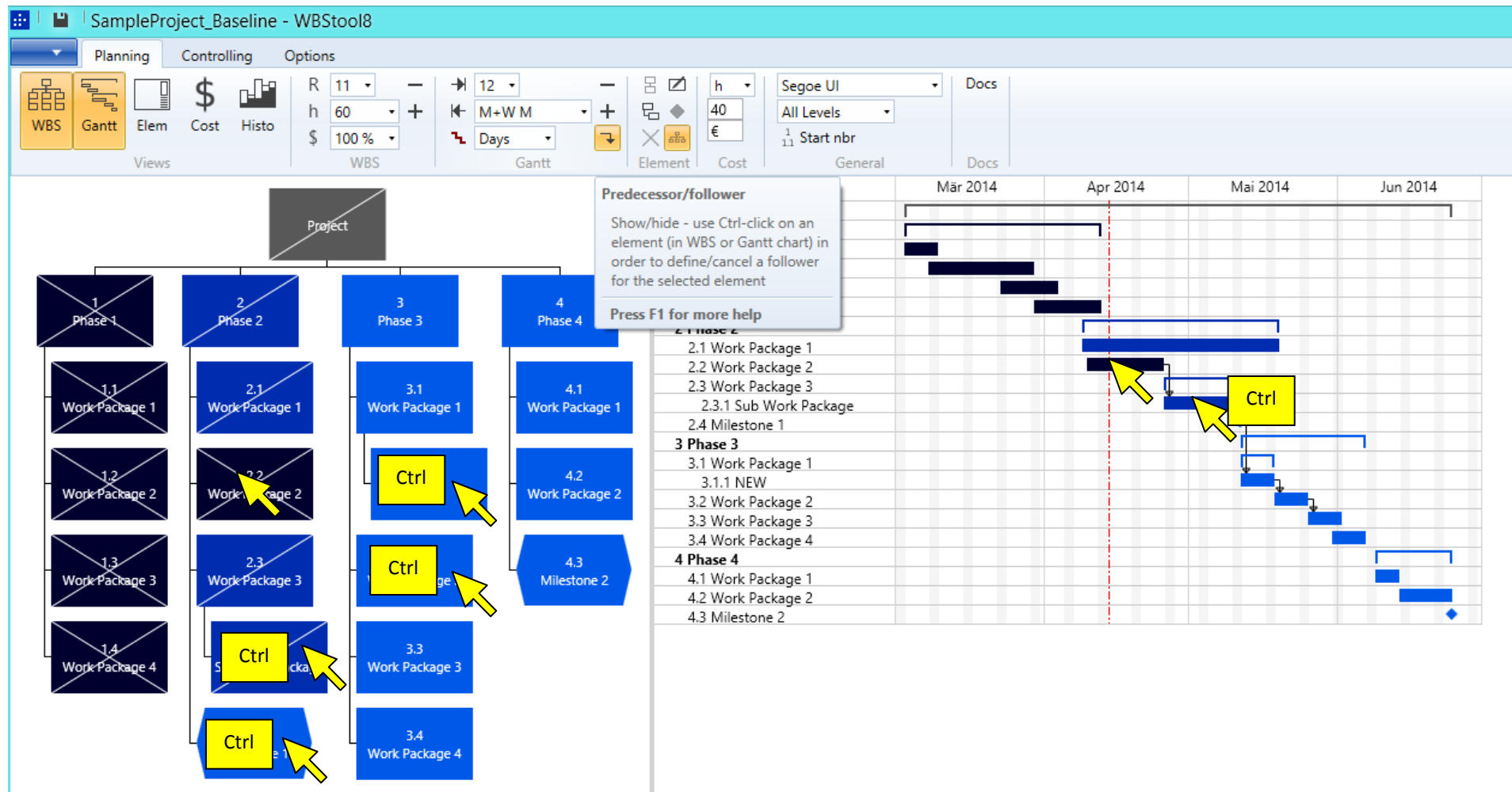
Save your product breakdown structure as separate file



Select the scale for the Gantt chart

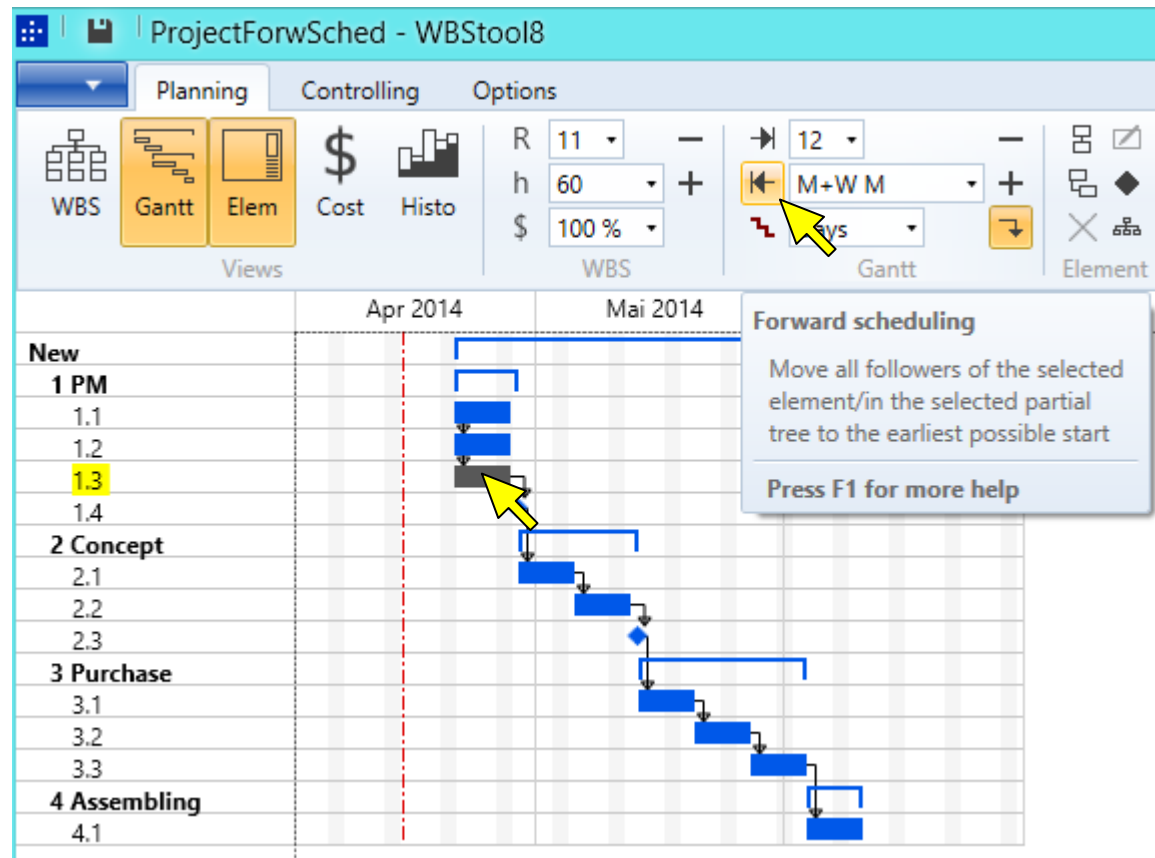
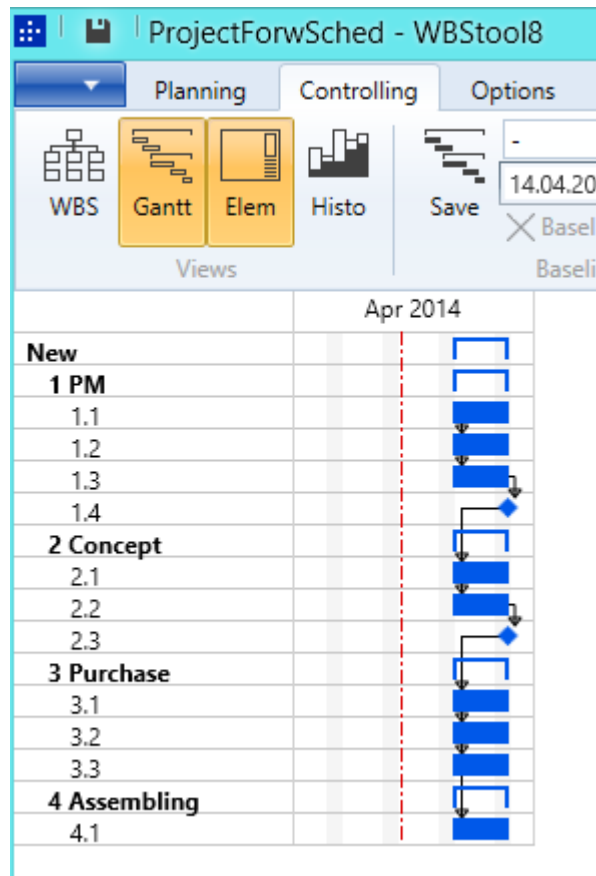


Select whether mouse moves day by day or week by week on the screen (project data is not affected)

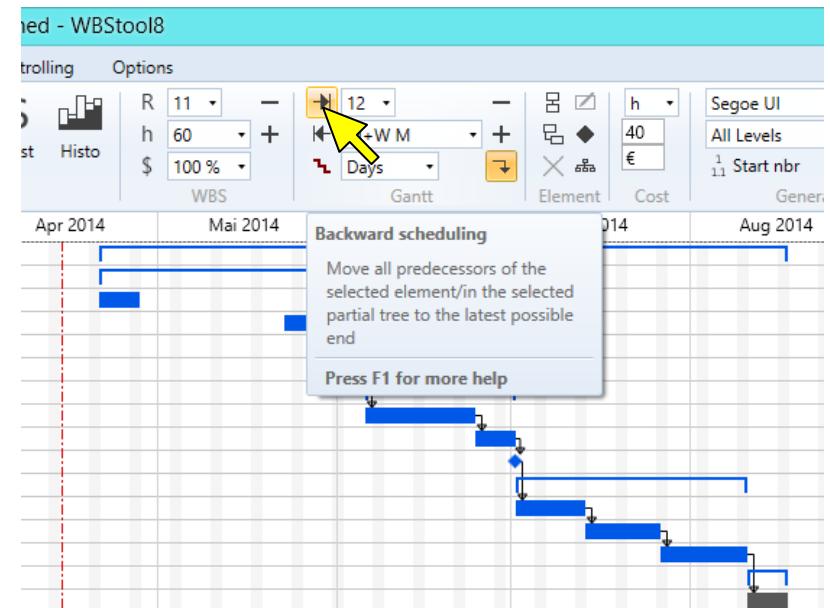
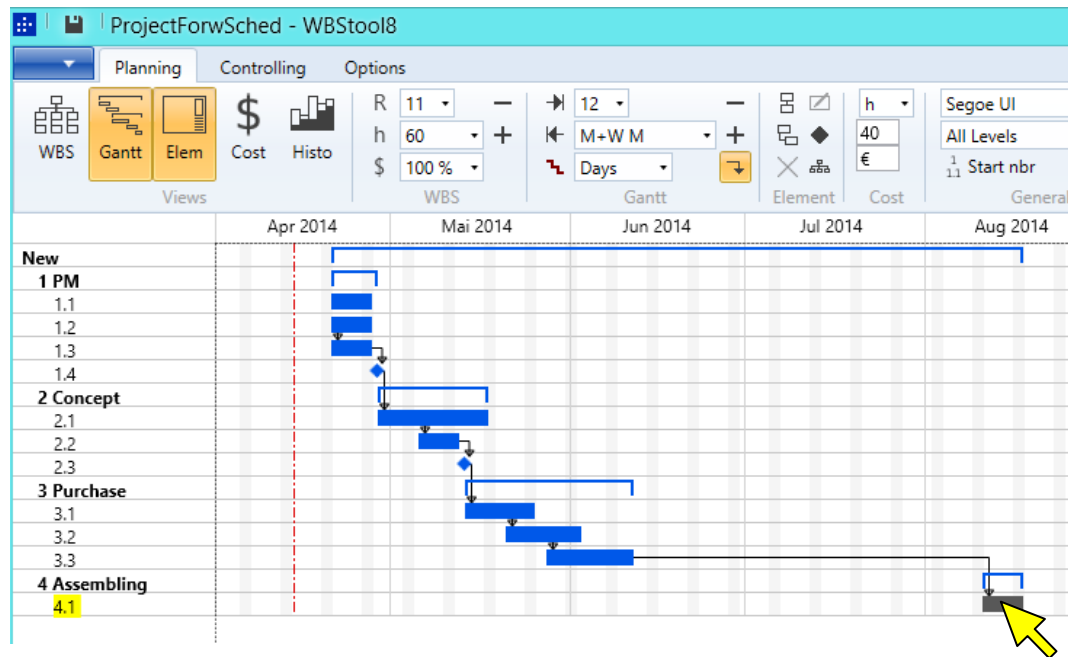


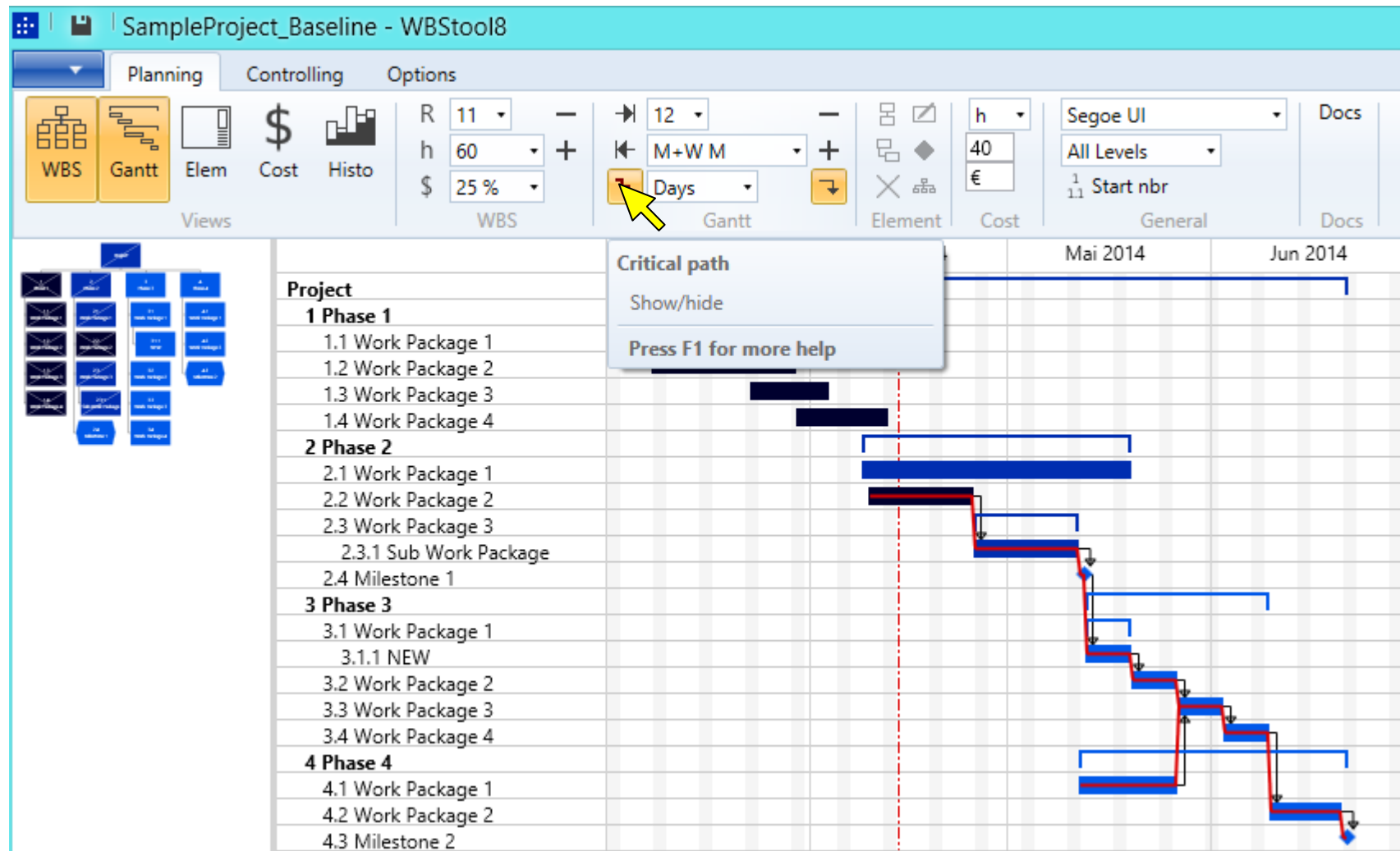
Establish dependency: click on a work package or milestone, then ctrl-click on its desired follower

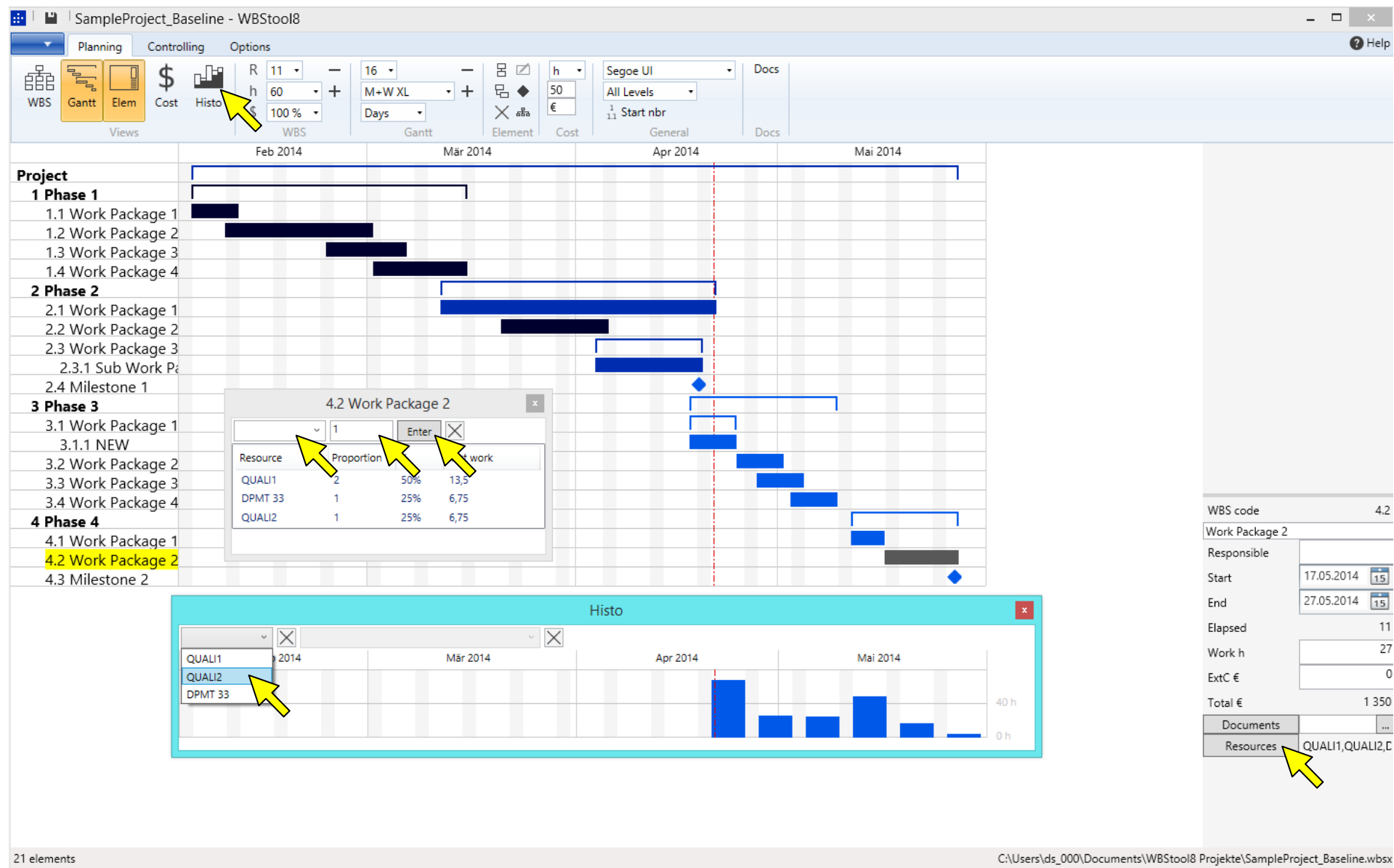
Remove dependency: click on the predecessor, then ctrl-click the follower

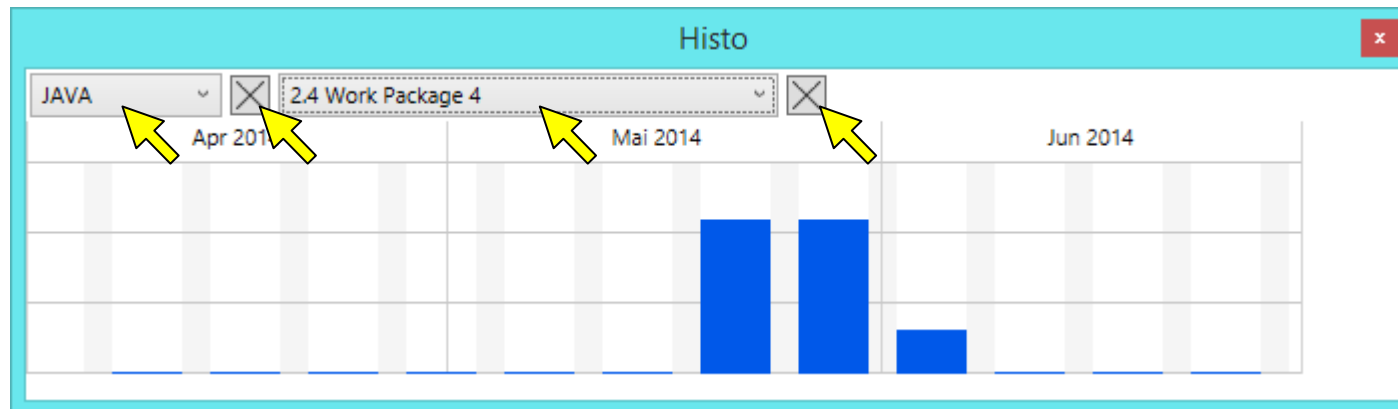
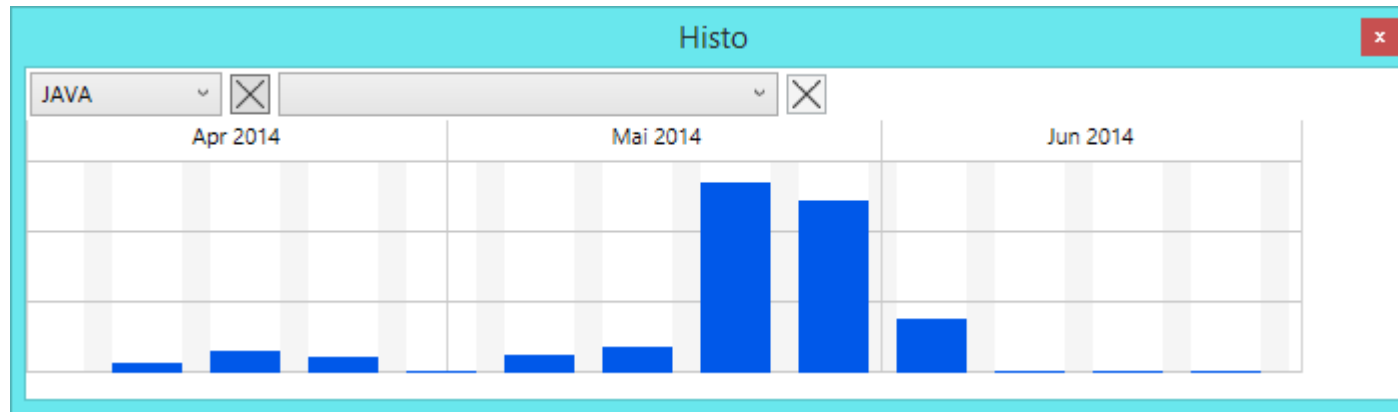


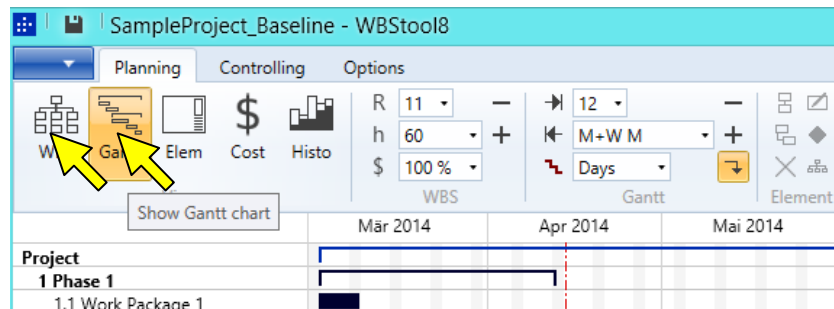
Backward Scheduling



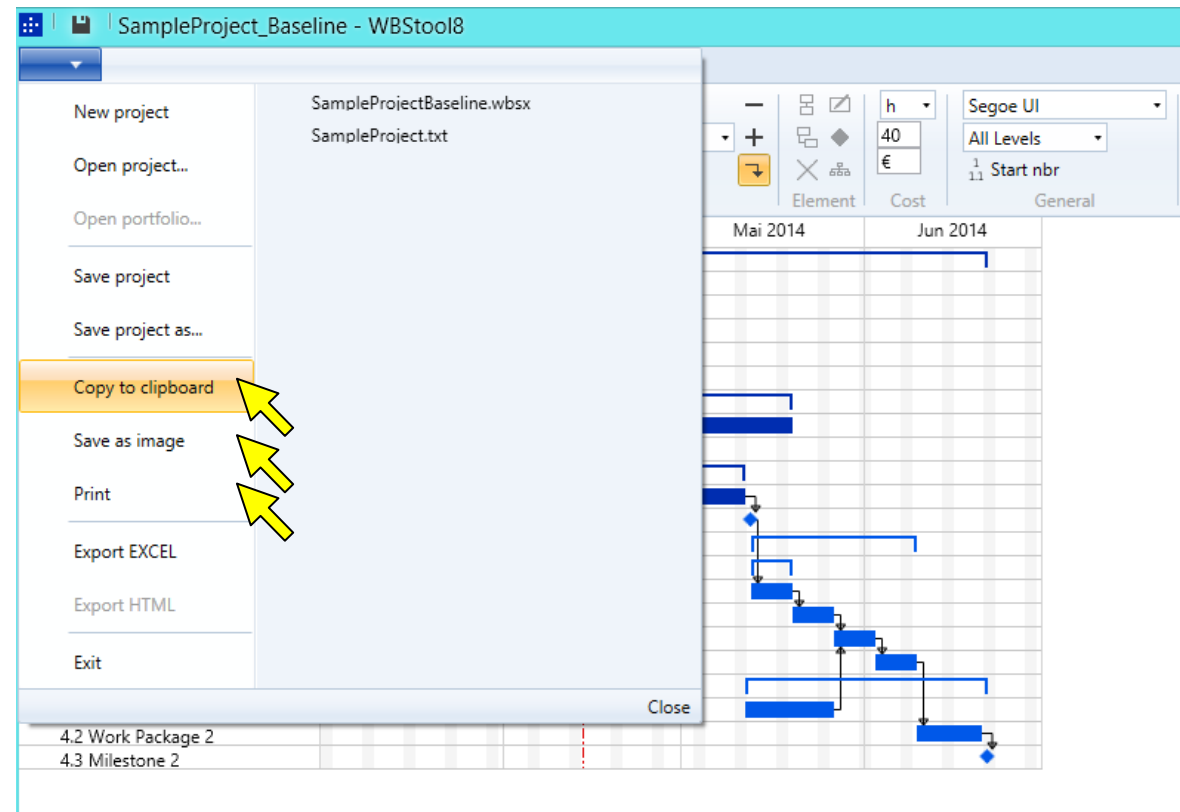






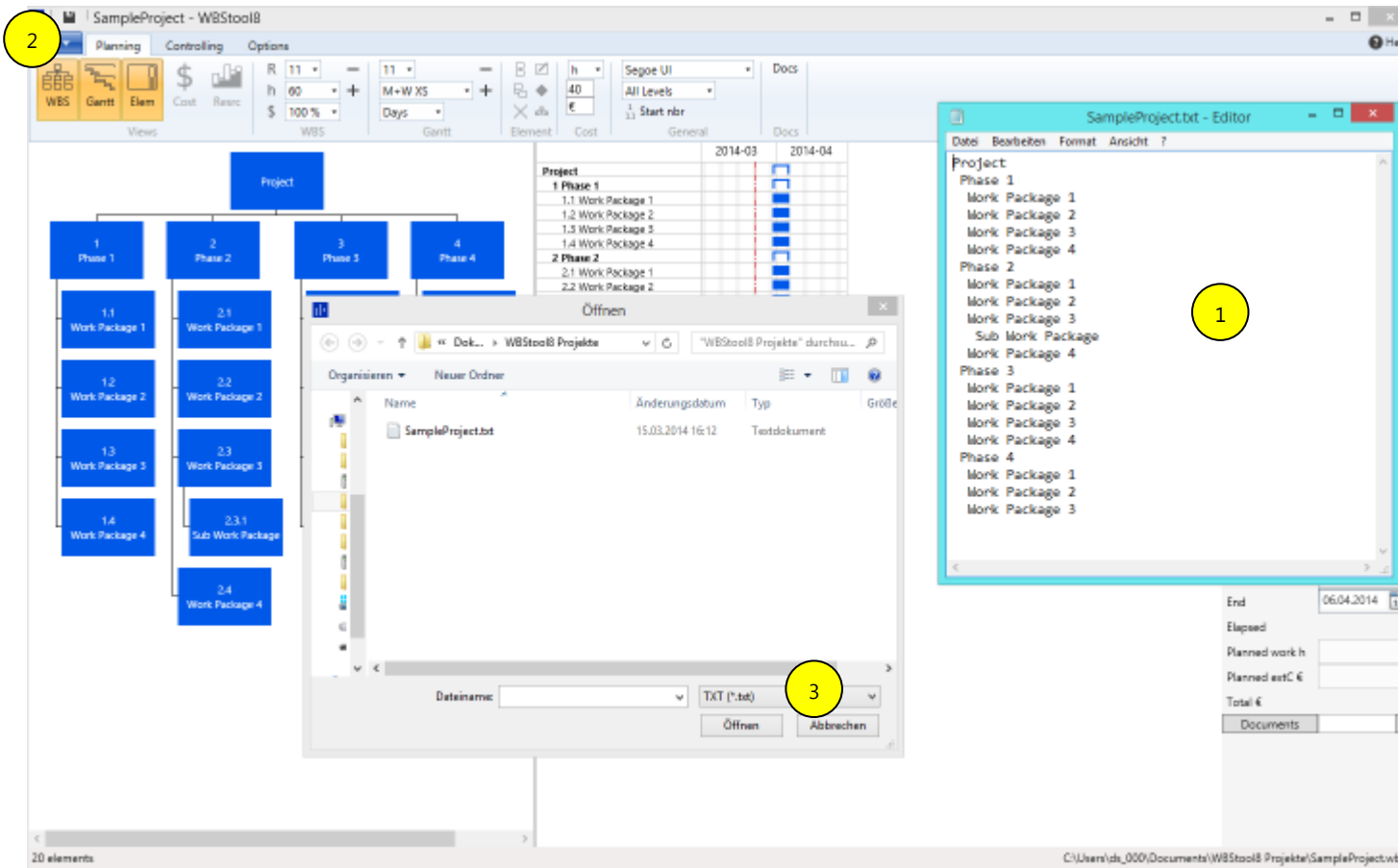


Show only WBS or Gantt chart

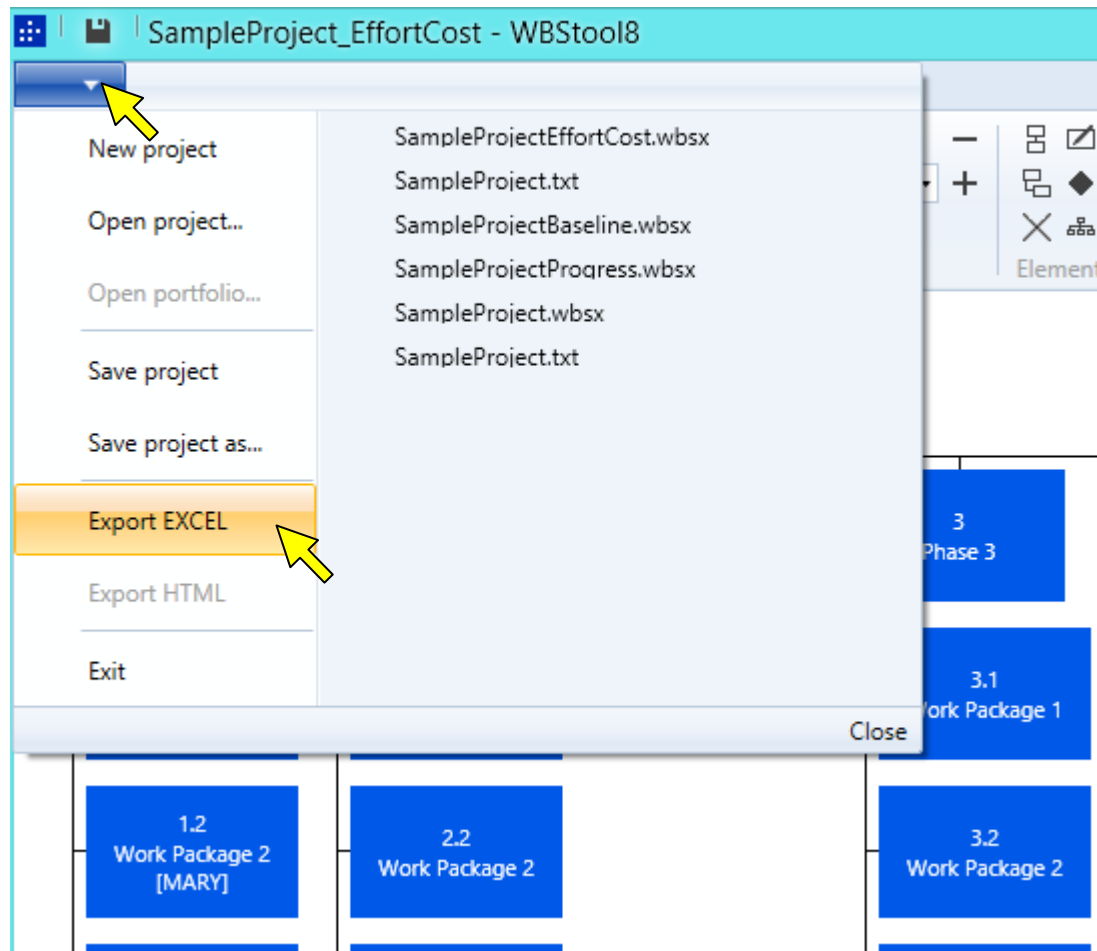


The screenshot displays the WBS tool interface for 'SampleProject_Docs - WBSTool8'. The main window shows a hierarchical WBS structure on the left, a Gantt chart in the center, and a 'Documents' panel on the right. The 'Documents' panel lists files and folders associated with the WBS elements. A 'Docs' button is located in the top right corner. A file selection dialog is open, showing a directory tree with 'Cleaning Company' selected. The 'Documents' panel on the right shows a list of documents, including 'Gantt.bmp', 'Project Handbook.zip', 'SampleProject.wbsx', 'Stakeholders.rtf', 'Team.txt', and 'WBS.bmp'. The 'Docs' button is circled with a yellow circle and the number 3. The file selection dialog is circled with a yellow circle and the number 2. The 'Documents' panel is circled with a yellow circle and the number 1. The document list in the 'Documents' panel is circled with a yellow circle and the number 4.

- 1 2 Select a directory from the file system per specific WBS element
- 3 “Docs”: Open the documents overview
- 4 Double-click on any directory or file/document in the list in order to open it



- 1 Edit WBS in texteditor, use blank indents for structure
- 2 Open project...
- 3 Select file format "TXT (*.txt)" and open file

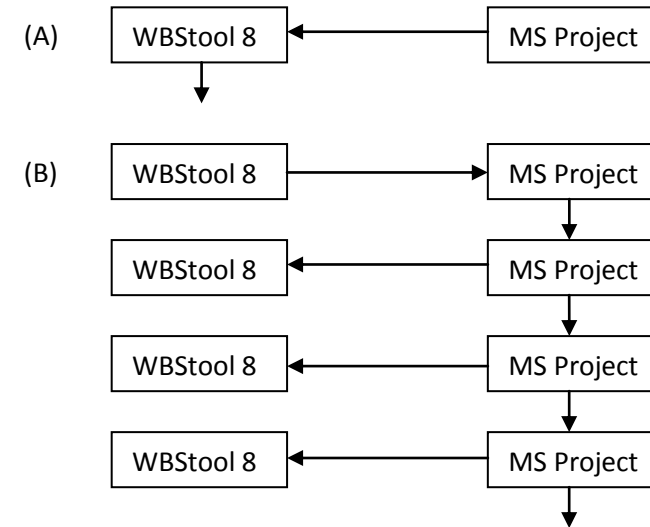


Microsoft Project Export/Import

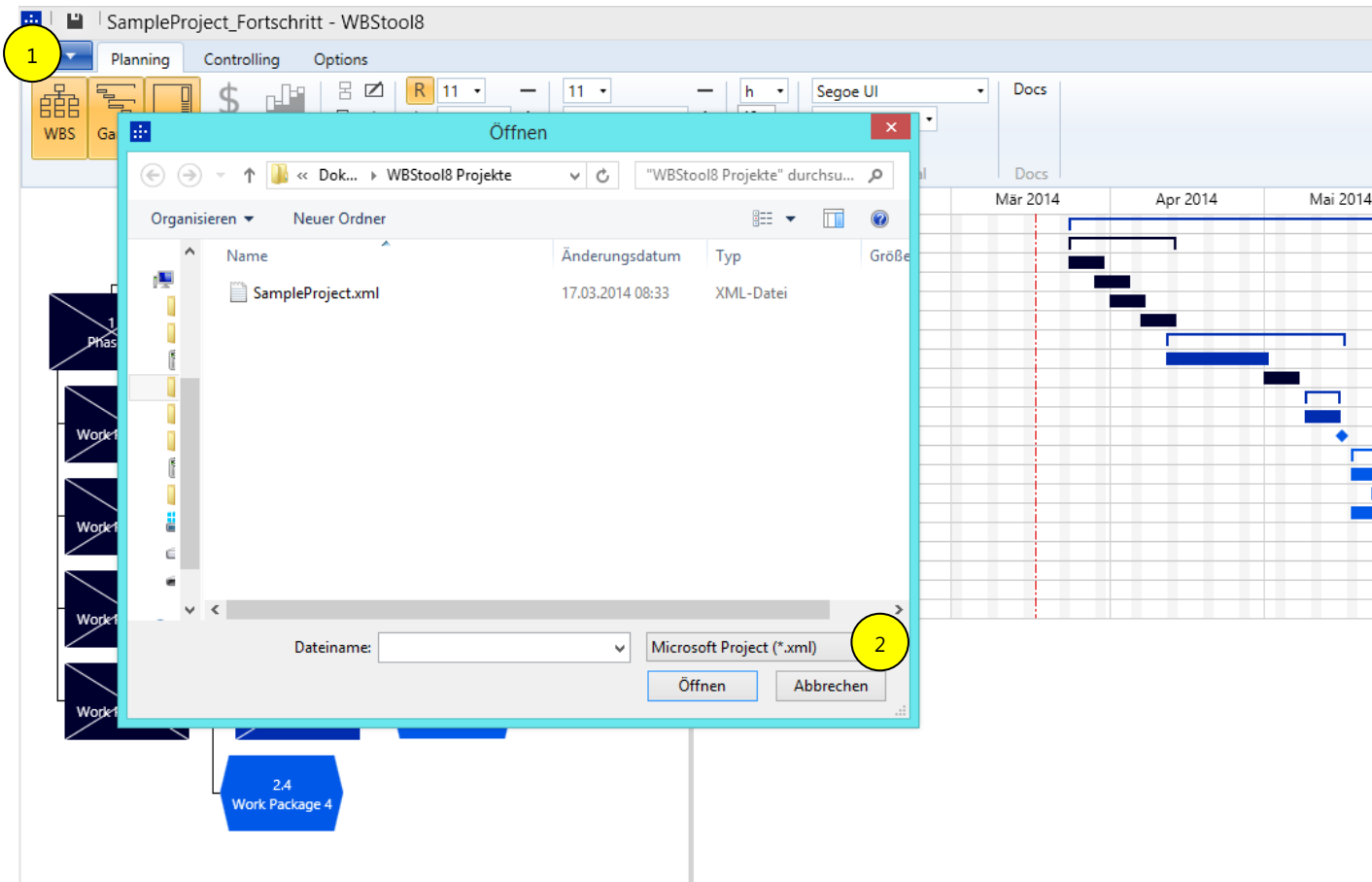
- (A) Import a project from MS Project into WBStool 8 once and then work with WBStool 8
- (B) Construct WBS in WBStool 8 – Export WBS to MS Project – Work with MS Project as leading system for scheduling, resources, etc. – Show progress in WBS in WBStool 8 periodically

Imported/exported MS Project fields:

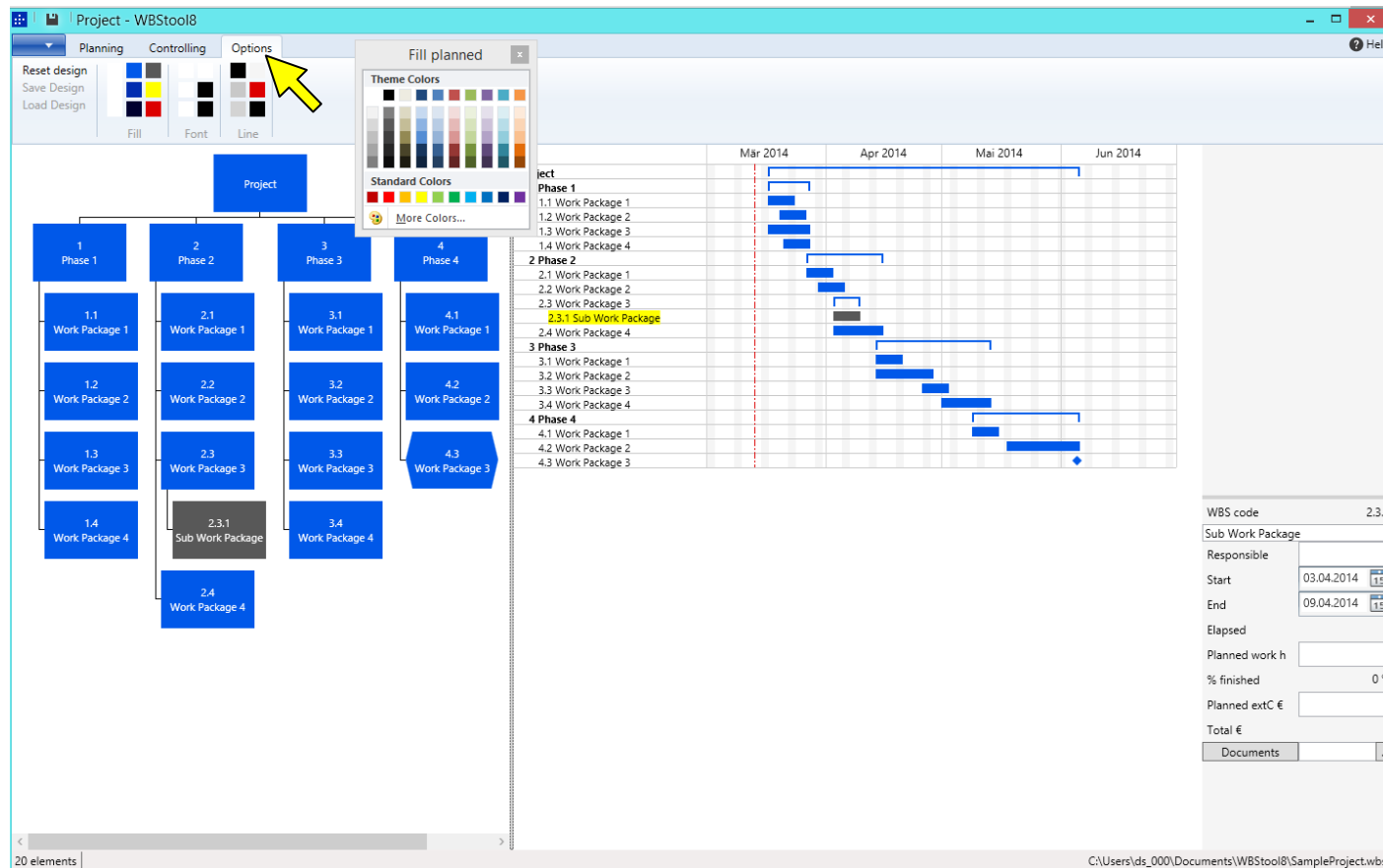
"Task"
"Name"
"Contact"
"OutlineLevel"
"Start"
"Finish"
"Milestone"
"PercentComplete"
"PercentWorkComplete"
"Notes"



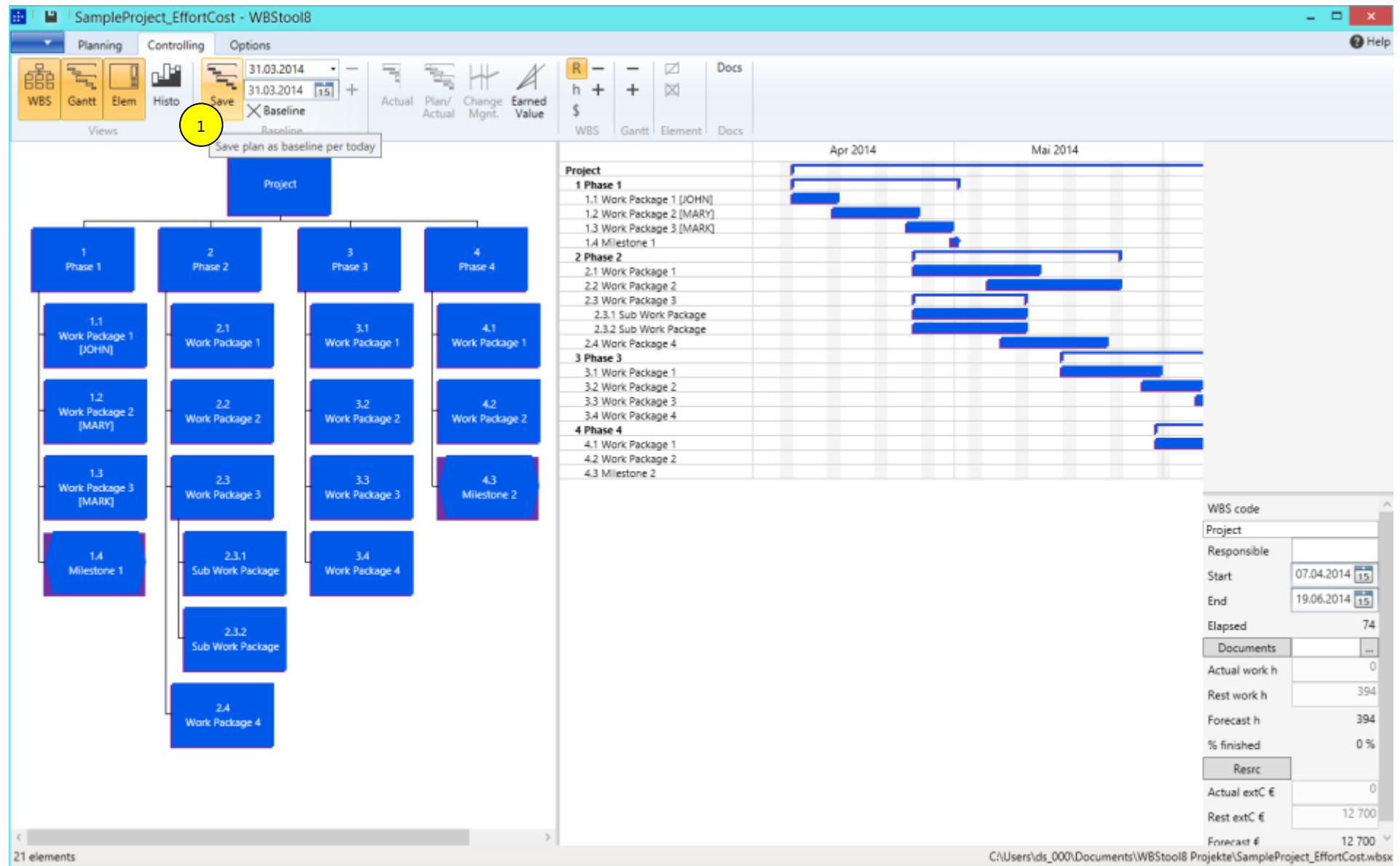
- Open and save projects using file-format “Microsoft Project (*.xml)”
- In MS Project also open and save using file-format *.xml

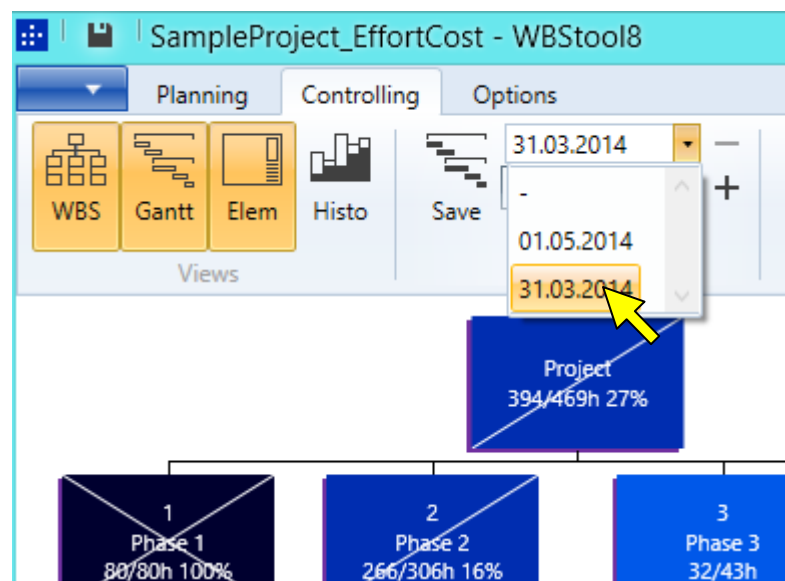


- Menu „Options“ - define colors for objects, fonts and lines; your personal settings are then stored in each project
- Menu „Options/Reset design“ – reset all colors to standard colors
- Menu „Options/Save design“ – save your actual color-settings to file “WBStool8Design.dat”
- Menu „Options/Restore design“ – load color-settings from file “WBStool8Design.dat”
- After saving your color-settings in the file you can give them – e.g. as company standard – to other users (by giving file “WBStool8Design.dat” in your installation directory of WBStool 8 to other users)

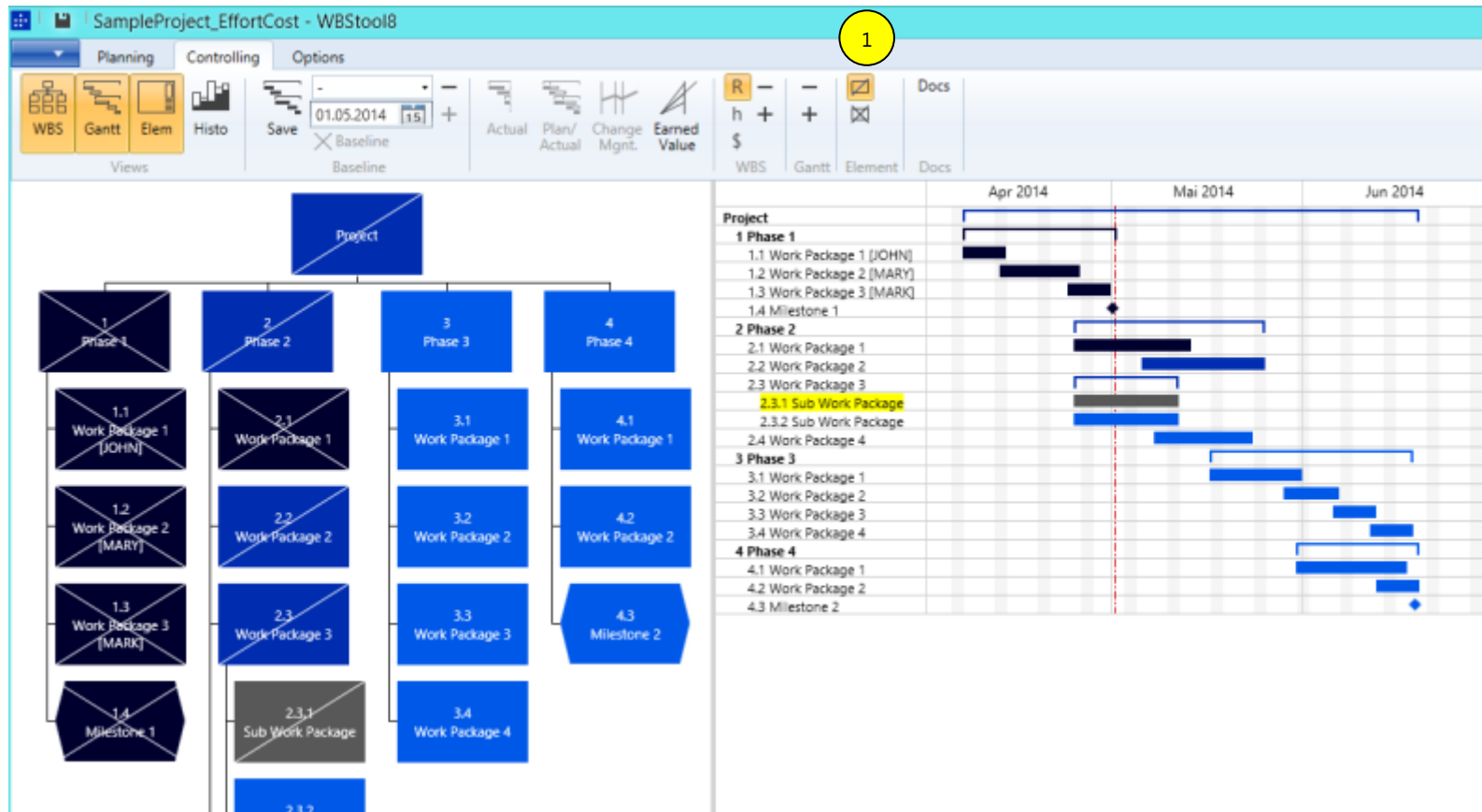


WBStool 8 Steering





SampleProject_EffortCost.wbsx	01.04.2014 00:32	WBSX-Datei	2 KB
SampleProject_EffortCost_20140331.wbsb	01.04.2014 00:23	WBSB-Datei	2 KB
SampleProject_EffortCost_20140501.wbsb	01.04.2014 00:27	WBSB-Datei	2 KB



- Menu „Controlling“ – set elements to started or finished
- Shortcut: “space”
- Element context-menu (right mouse-click)

1

SampleProject_Baseline - WBStool8

Planning Controlling Options

Views: WBS, Gantt, Elem, Histo

Baseline: 07.04.2014 15

Controlling: Actual, Plan/Actual, Change Mgmt., Earned Value

WBS: R, h, \$

Gantt: -, +

Element: [Icon]

Cost				
	Plan	Actual work	Actual extC	Plan/Actual
	Plan h	Actual h	Rest h	% finished
Project	141	74,5	91,5	45 %
1 Phase 1	44	56	0	100 %
1.1 Work Package 1	8	11	0	100 %
1.2 Work Package 2	8	8	0	100 %
1.3 Work Package 3	16	17	0	100 %
1.4 Work Package 4	12	20	0	100 %
2 Phase 2	31	18,5	25,5	42 %
2.1 Work Package 1	24	12	12	50 %
2.2 Work Package 2	7	0	0	0 %
2.3 Work Package 3	0	6,5	6,5	50 %
2.3.1 Sub Work Package	13	6,5	6,5	50 %
2.4 Milestone 1	0	0	0	0 %
3 Phase 3	61	0	61	0 %
3.1 Work Package 1	34	0	34	0 %
3.1.1 NEW	34	0	0	0 %
3.2 Work Package 2	22	0	0	0 %
3.3 Work Package 3	4	0	0	0 %
3.4 Work Package 4	1	0	0	0 %
4 Phase 4	5	0	5	0 %
4.1 Work Package 1	2	0	0	0 %
4.2 Work Package 2	3	0	0	0 %
4.3 Milestone 2	0	0	0	0 %

Cost

	Plan	Actual work	Actual extC	Plan/Actual	Change
	Plan €	Actual €		Rest €	
Project	1 700	1 000		550	
1 Phase 1	1 200	1 000		0	
1.1 Work Package 1	0	0		0	
1.2 Work Package 2	1 200	1 000		0	
1.3 Work Package 3	0	0		0	
1.4 Work Package 4	0	0		0	
2 Phase 2	0	0		0	
2.1 Work Package 1	0	0		0	
2.2 Work Package 2	0	0		0	
2.3 Work Package 3	0	0		0	
2.3.1 Sub Work Package	0	0		0	
2.4 Milestone 1	0	0		0	
3 Phase 3	500	0		550	
3.1 Work Package 1	500	0	3	4	550
3.1.1 NEW	500	0			550
3.2 Work Package 2	0	0			0
3.3 Work Package 3	0	0			0
3.4 Work Package 4	0	0			0
4 Phase 4	0	0		0	
4.1 Work Package 1	0	0			0
4.2 Work Package 2	0	0			0
4.3 Milestone 2	0	0			0

20 hours internal effort until today 1

24 hours estimated internal effort (from today on) necessary to finish this work package 2

10.500 dollars external cost until today 3

1.500 dollars estimated external cost (from today on) necessary to finish this work package 4

WBS code 2.3.2

Sub Work Package

Responsible

Start 28.04.2014 15

End 14.05.2014 15

Elapsed 17

Documents ... 1

Actual work h 20 2

Rest work h 24

Forecast h 44

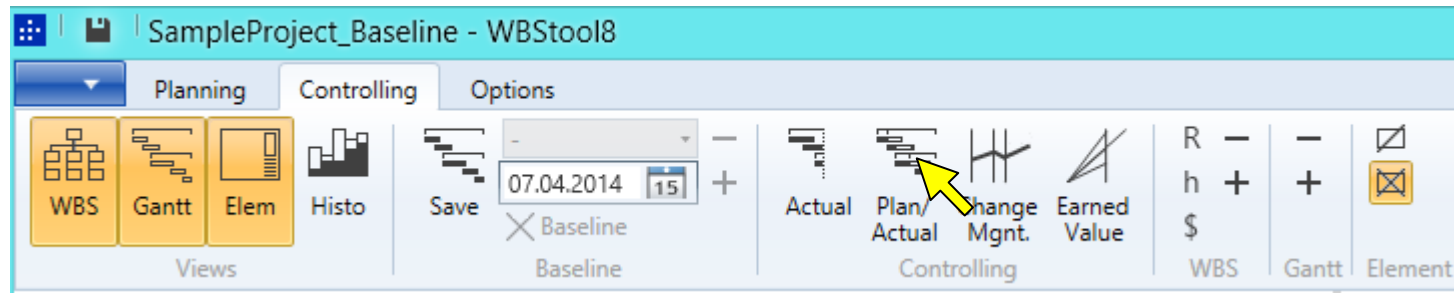
% finished 45 %

Resrc

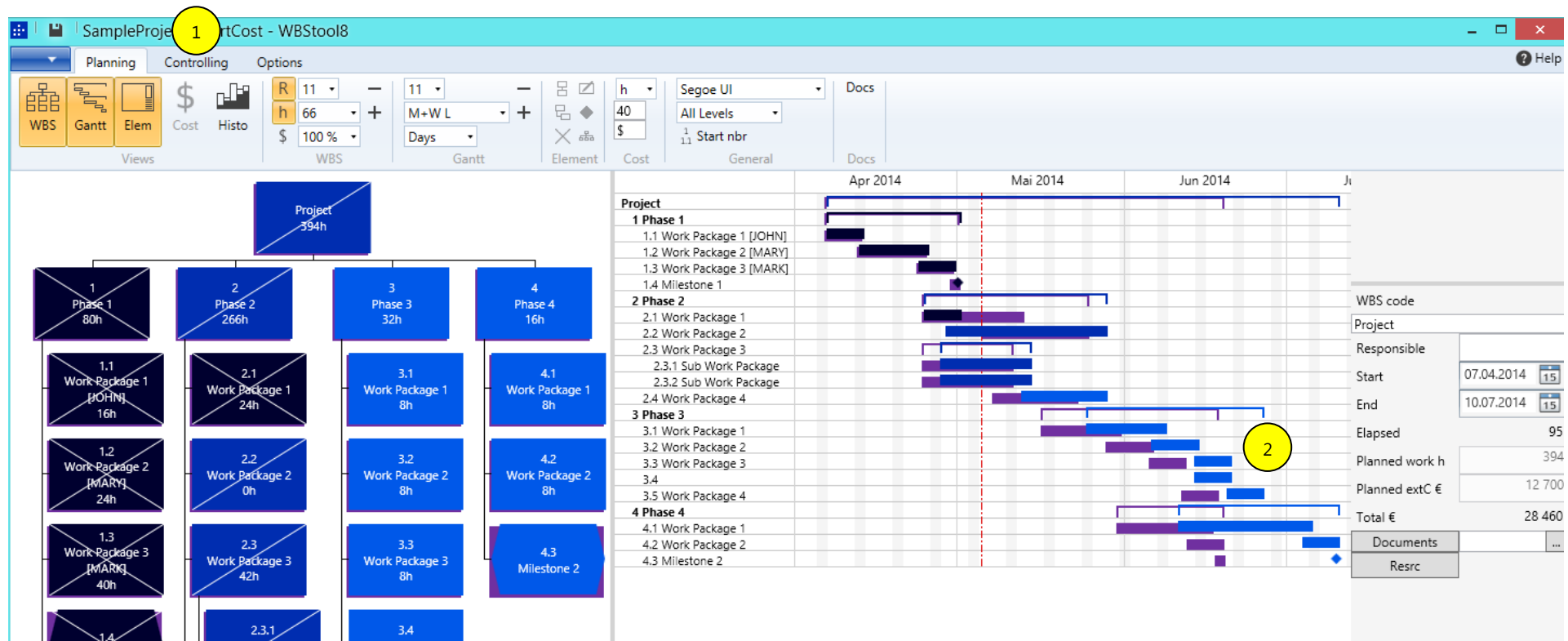
Actual extC € 10 500 3

Rest extC € 1 500 4

Forecast € 12 000



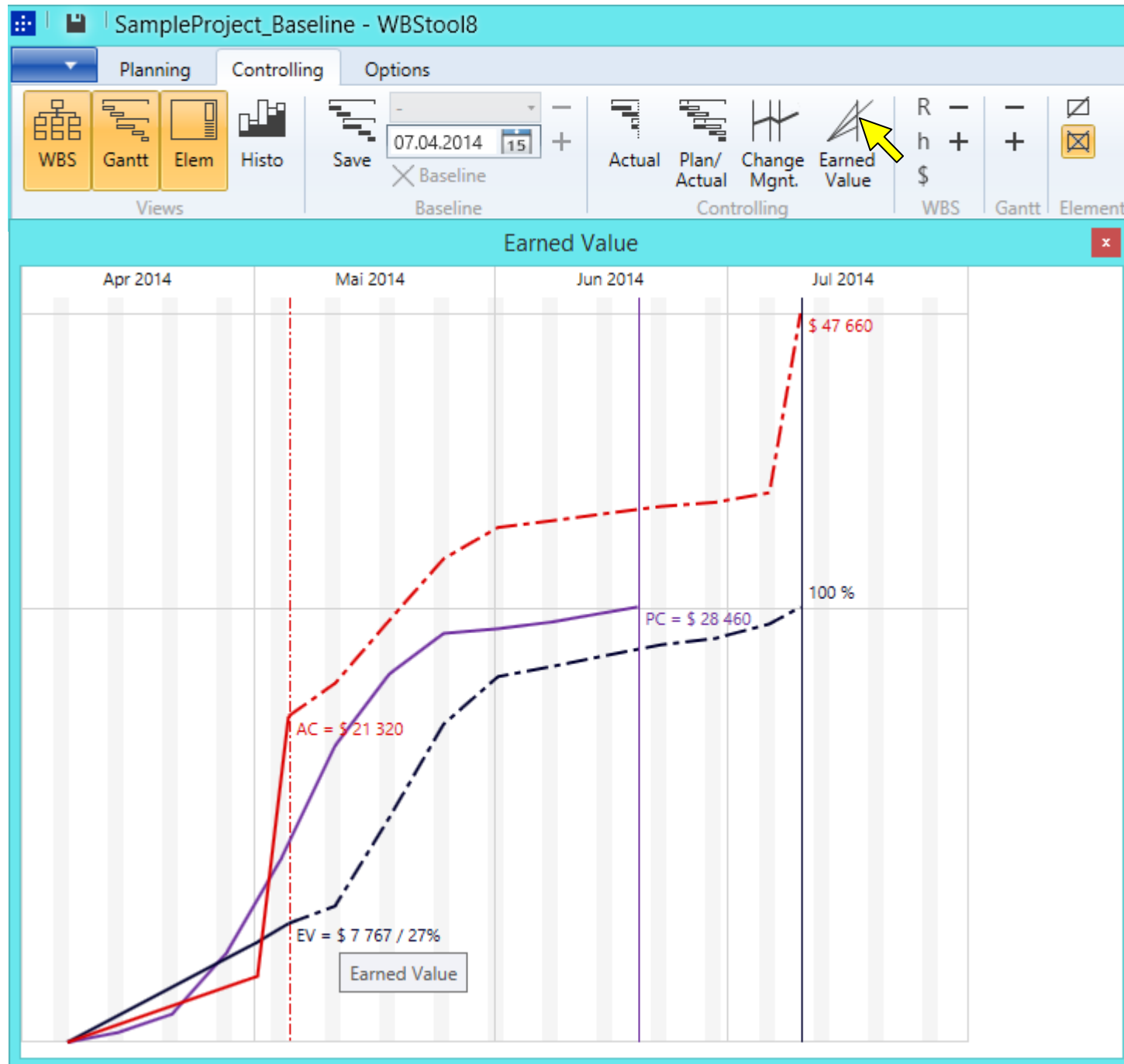
Cost							
	Plan	Actual work	Actual extC	Plan/Actual	Change		
	Plan h	Forecast h	Plan €	Forecast €	Total €	Forecast €	
Project	141	166	1 700	1 550	8 750	9 850	
1 Phase 1	44	56	1 200	1 000	3 400	3 800	
1.1 Work Package 1	8	11	0	0	400	550	
1.2 Work Package 2	8	8	1 200	1 000	1 600	1 400	
1.3 Work Package 3	16	17	0	0	800	850	
1.4 Work Package 4	12	20	0	0	600	1 000	
2 Phase 2	31	44	0	0	1 550	2 200	
2.1 Work Package 1	24	24	0	0	1 200	1 200	
2.2 Work Package 2	7	7	0	0	350	350	
2.3 Work Package 3	0	13	0	0	0	650	
2.3.1 Sub Work Package	13	13	0	0	650	650	
2.4 Milestone 1	0	0	0	0	0	0	
3 Phase 3	61	61	500	550	3 550	3 600	
3.1 Work Package 1	34	34	500	550	2 200	2 250	
3.1.1 NEW	34	34	500	550	2 200	2 250	
3.2 Work Package 2	22	22	0	0	1 100	1 100	
3.3 Work Package 3	4	4	0	0	200	200	
3.4 Work Package 4	1	1	0	0	50	50	
4 Phase 4	5	5	0	0	250	250	
4.1 Work Package 1	2	2	0	0	100	100	
4.2 Work Package 2	3	3	0	0	150	150	
4.3 Milestone 2	0	0	0	0	0	0	



1 Tab “Controlling”: Save baseline at the beginning of the project
You can save one baseline per day for keeping changed plans

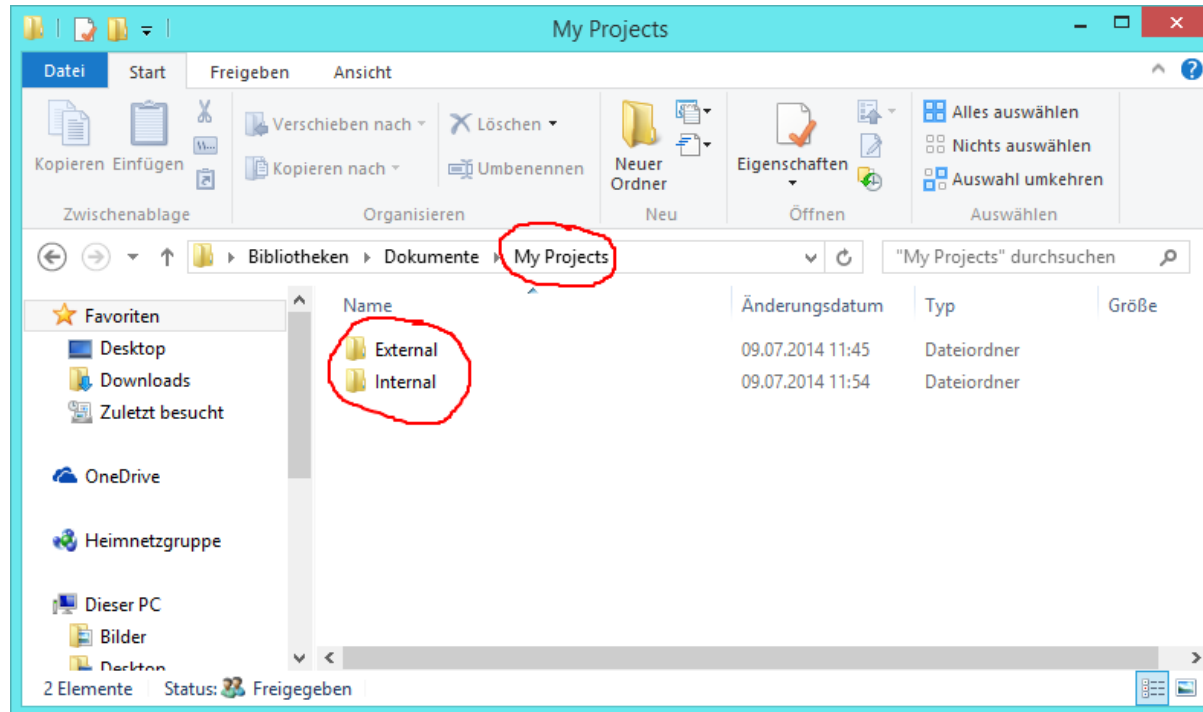
2 Adapt plans and by that show plan vs. actual

Select the baseline your actual comparison refers to – see: “Baseline”

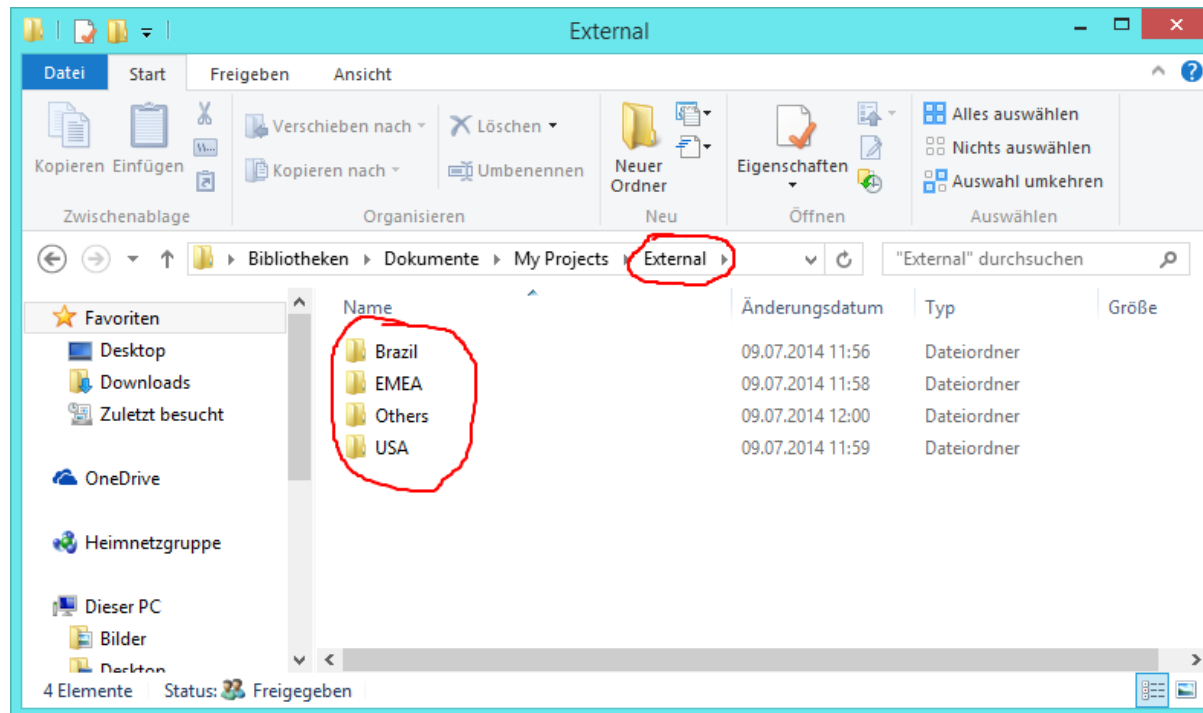


WBStool 8 Enterprise

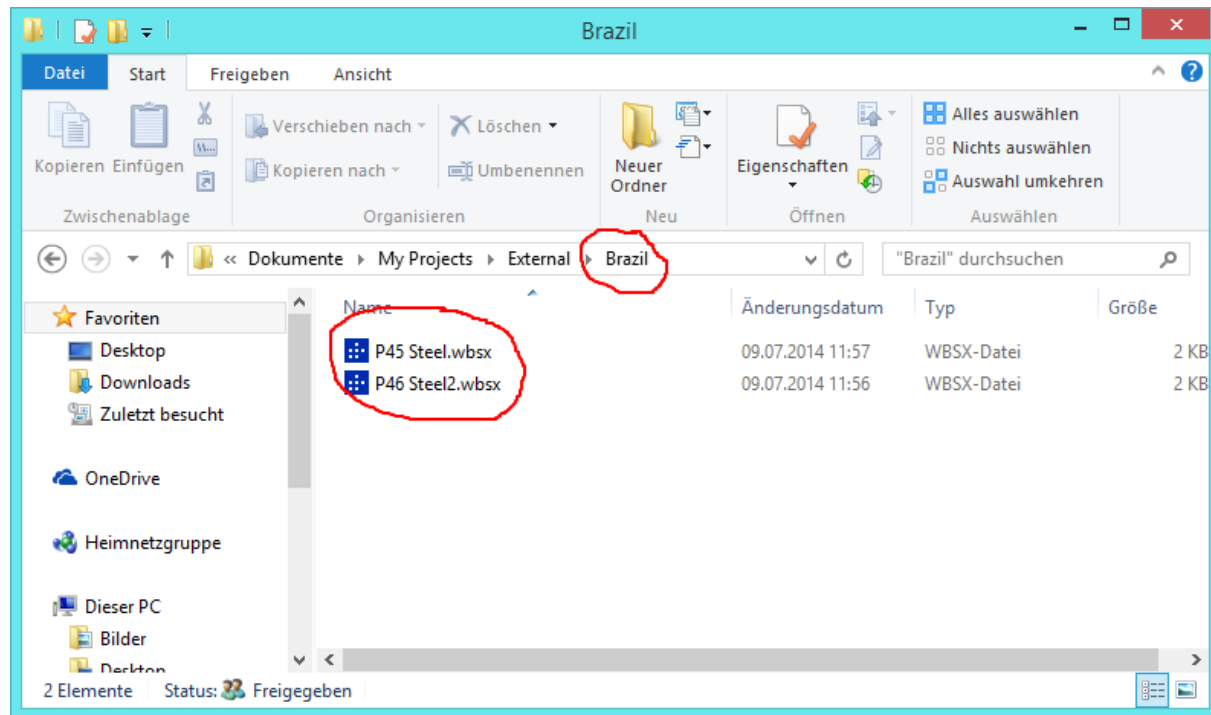
Create a directory for all your projects and group your projects by sub-directories:



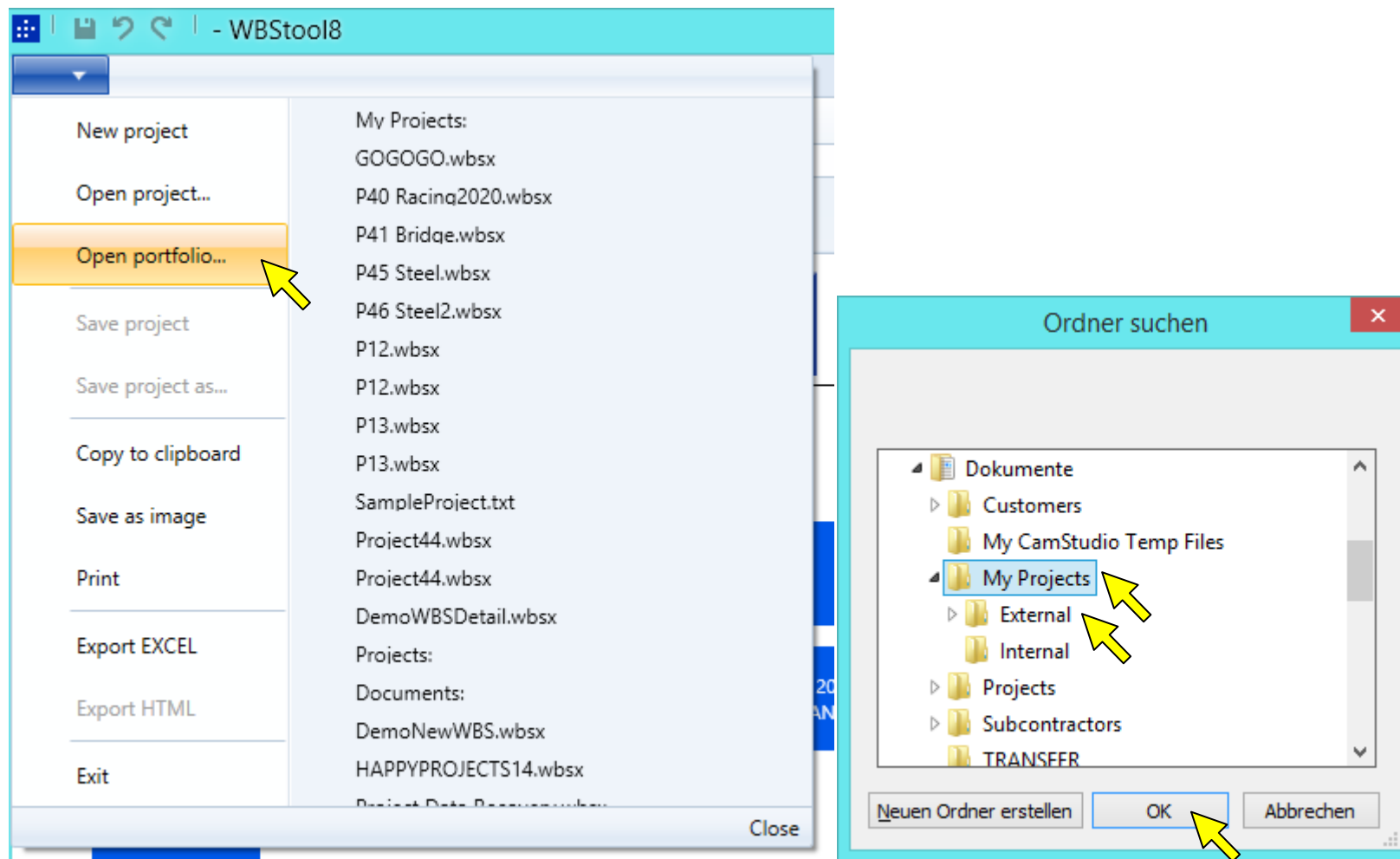
Sub-group your projects by sub-directories in the sub-directories:



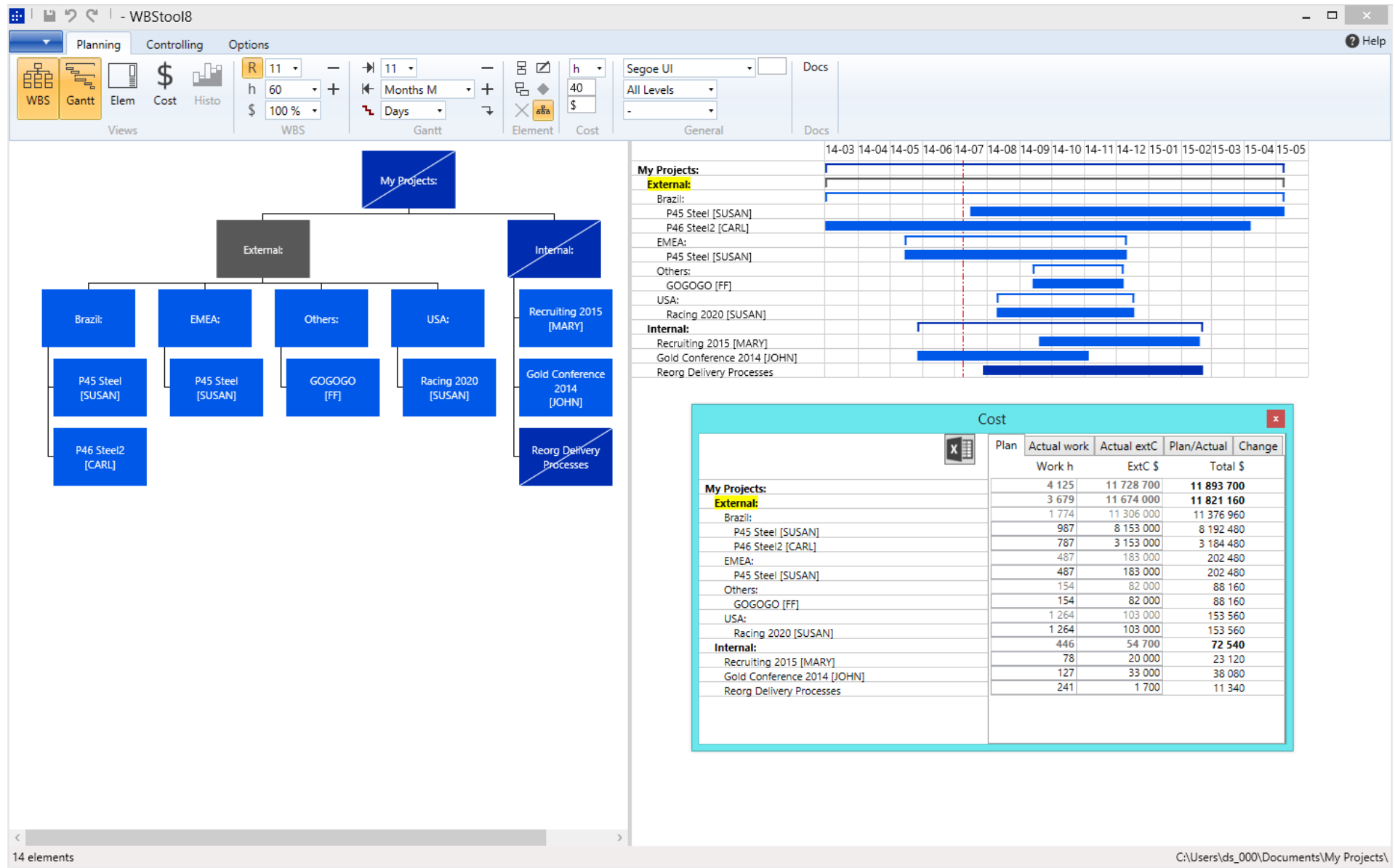
Save each project in the corresponding sub-directory:



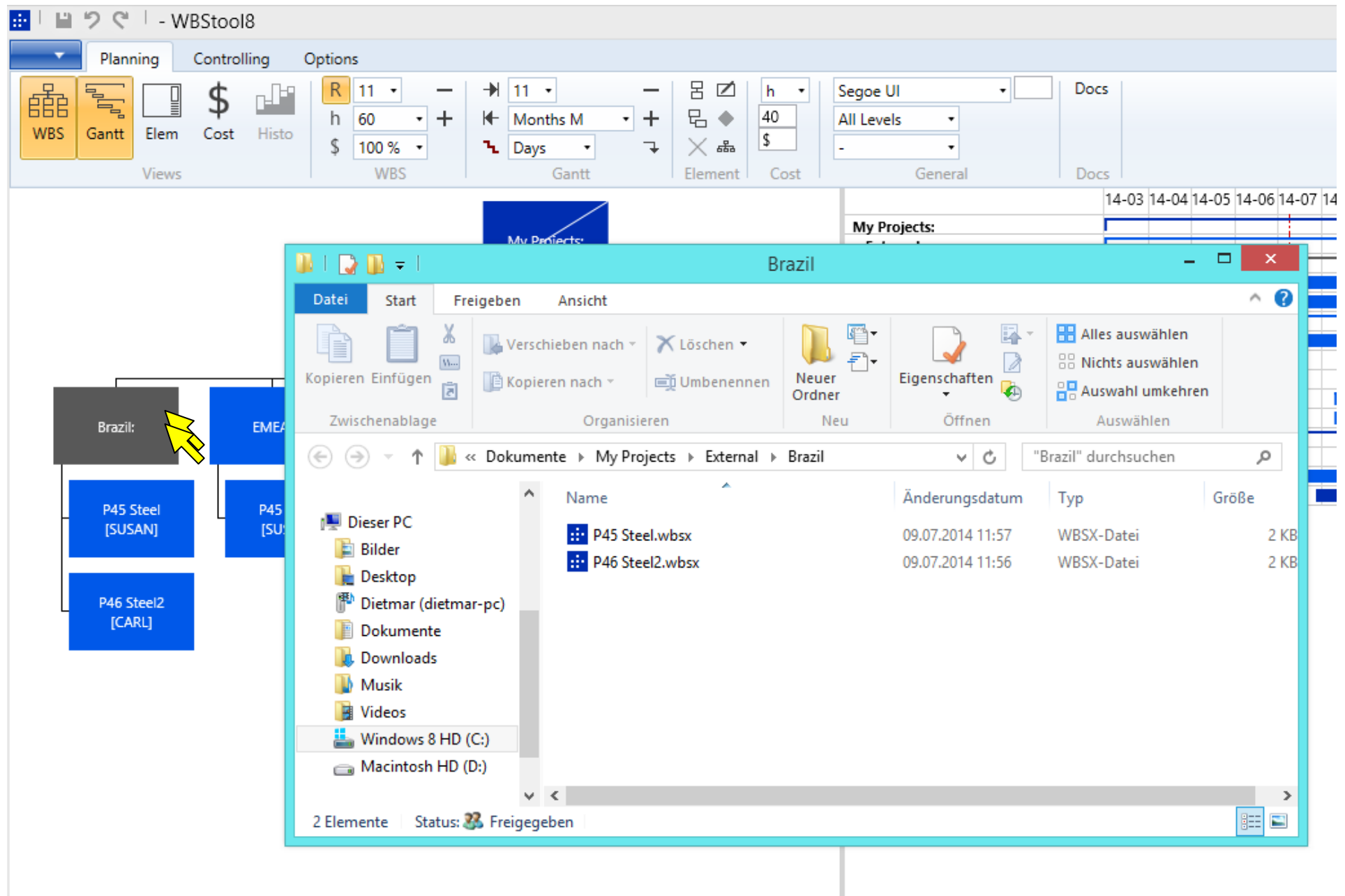
Open portfolio and select the projects directory (or any sub-directory):



The project portfolio is shown as tree – with your projects grouped by the structure of your directories in the file system:



Double-click on an element: either the subdirectory opens, or the project opens in READ-ONLY mode:



General

SampleProject_Baseline - WBStool8

Planning Controlling Options

Views: WBS, Gantt, Elem, Histo

Save: 07.04.2014 15

Actual Plan/Actual Change Mgmt. Earned Value

WBS Gantt Element

2 Levels (selected), All Levels, 3 Levels, 4 Levels, 5 Levels

Feb 2014 Mär 2014 Apr 2014 Mai 2014

Project

- 1 Phase 1
- 2 Phase 2
- 3 Phase 3
- 4 Phase 4

Project

- 1 Phase 1
- 2 Phase 2
- 3 Phase 3
- 4 Phase 4

Cost

	Plan	Actual work	Actual extC	Plan/Actual	Change
	Work h	ExtC €	Total €		
Project	141	1 700	8 750		
1 Phase 1	44	1 200	3 400		
2 Phase 2	31	0	1 550		
3 Phase 3	61	500	3 550		
4 Phase 4	5	0	250		

WBS code 1.2

Work Package 2

Responsible

Start 08.02.2014 15

End 01.03.2014 15

Elapsed 22

Documents

Actual work h 8

Rest work h 0

Forecast h 8

% finished 100 %

Resources

Actual extC € 1 000

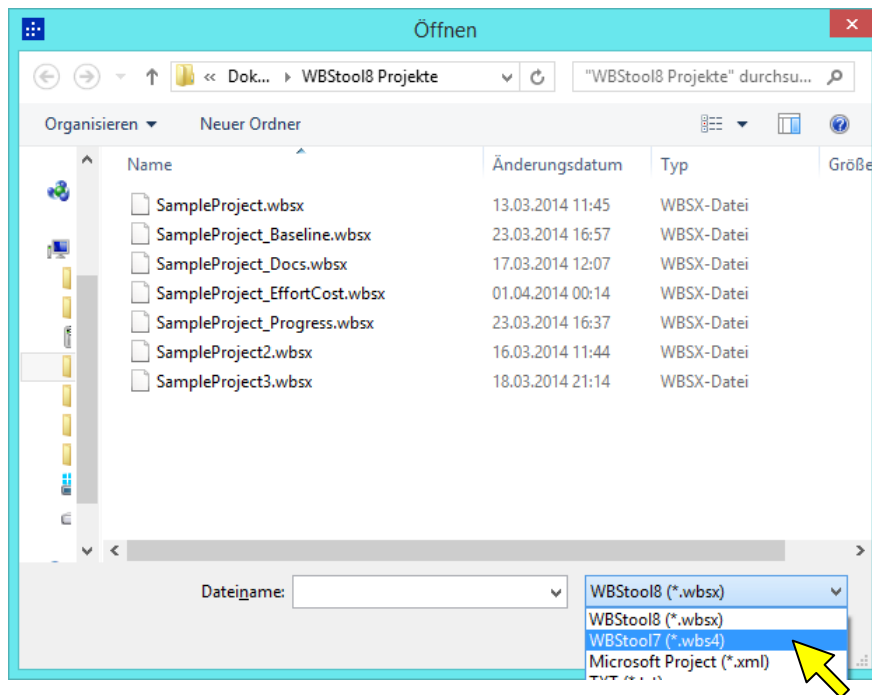
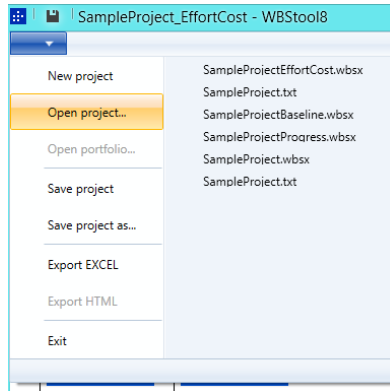
Rest extC € 0

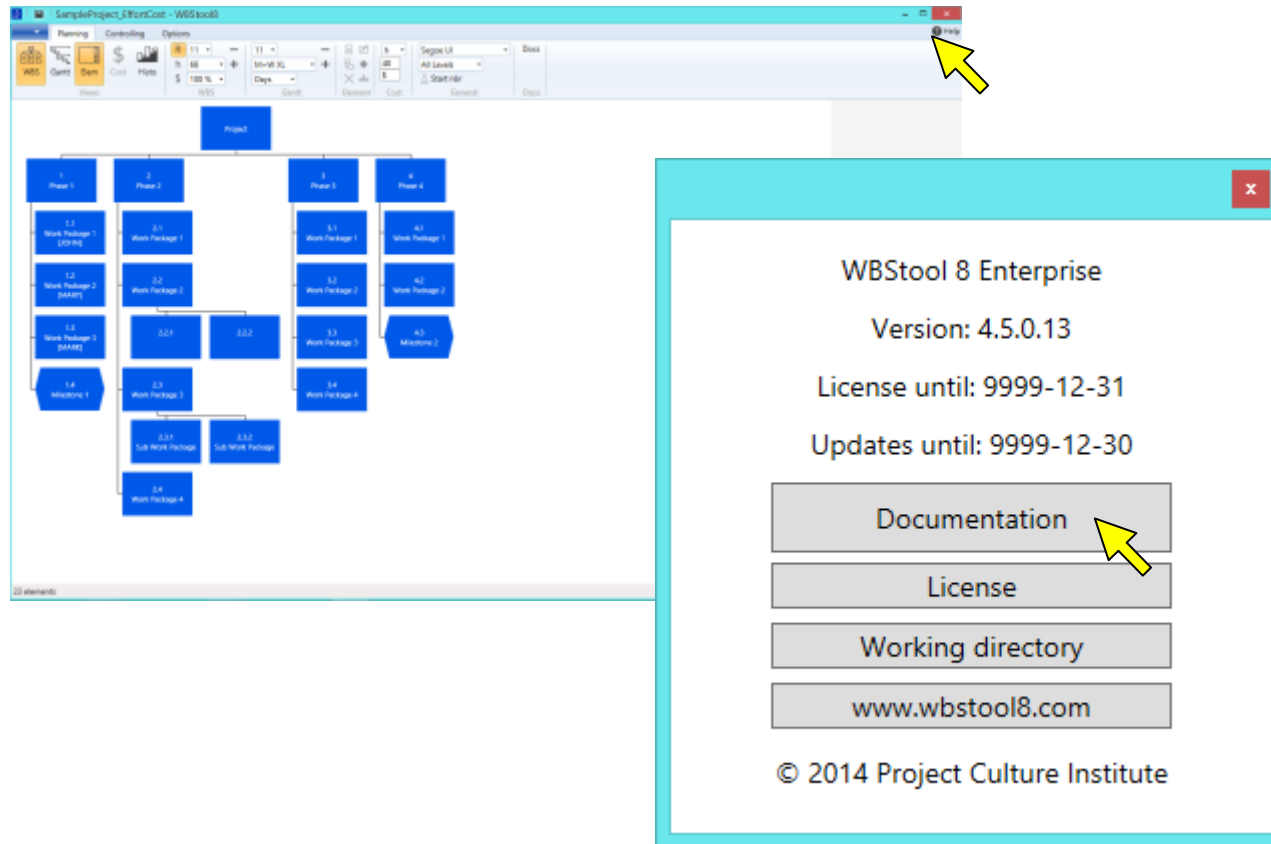
Forecast € 1 000

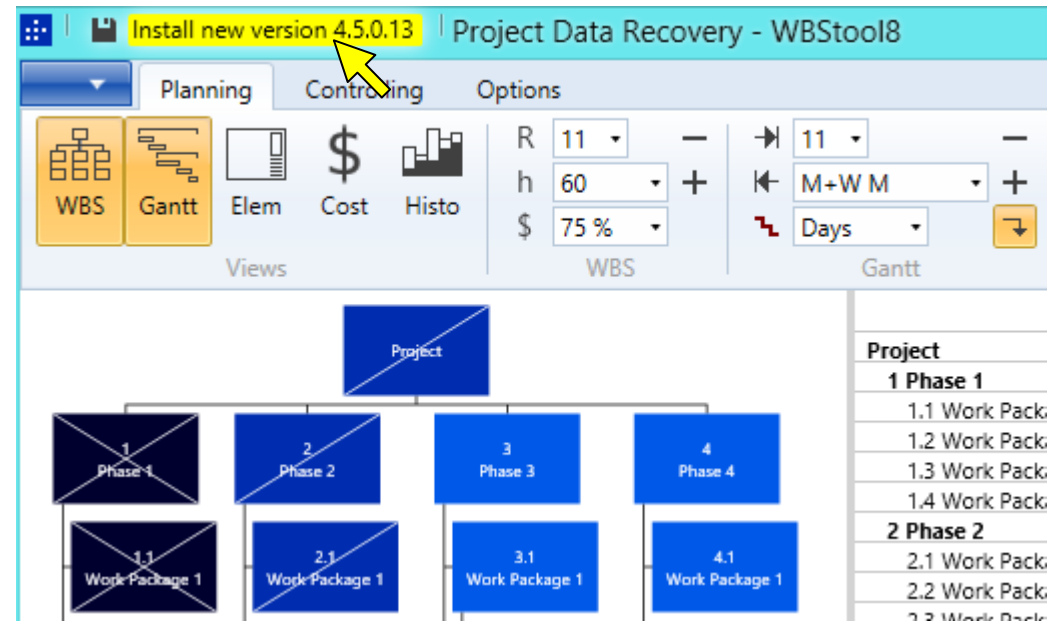
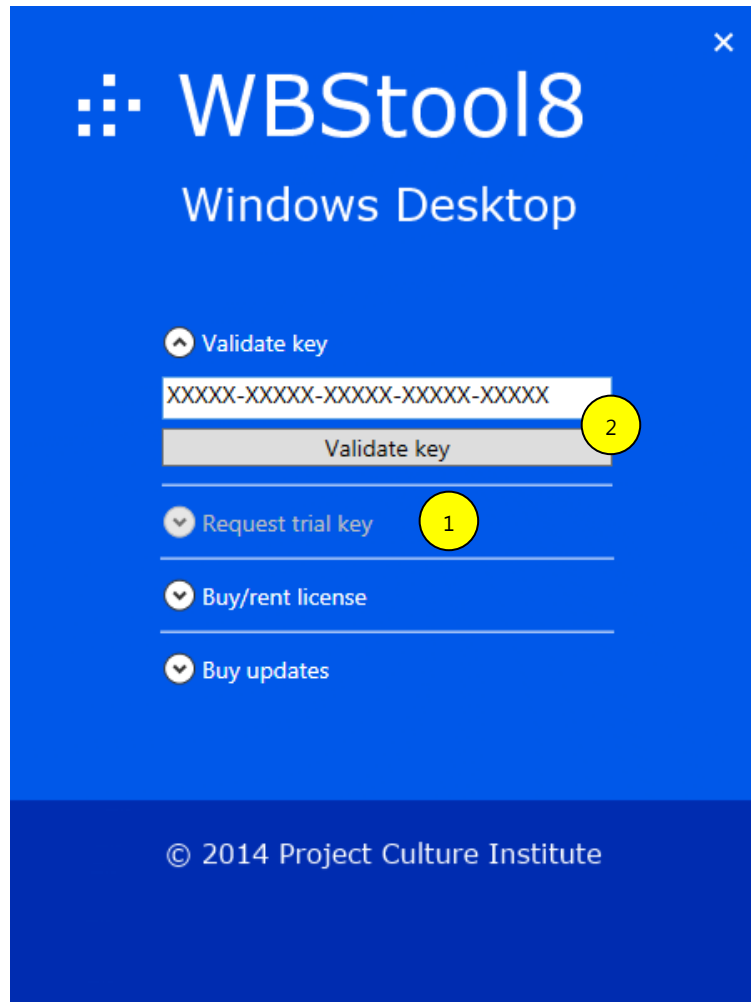
21 elements

C:\Users\ds_000\Documents\WBStool8 Projekte\SampleProject_Baseline.wbsx

Import from WBStool7







- 1 Request a trial-key
- 2 Validate your license key for WBStool 8

Shortcuts

Ins	Insert new next element
Ctrl-Ins	Insert new sub element
Del, Backspace	Delete element
F1	Help, License-Key & About
F2, Return	Rename element
Ctrl-N	New project
Ctrl-O	Open project
Ctrl-S	Save project
T	Open element description
D	Open document path of an element
R	Define resources for selected element
Space	Set to started/finished/planned
Tab	Show partial tree

Documentation	WBStool 8 Quick Guide
Installation Guide	Installation Guide
Releaseplan	Releaseplan
2014-04-22	4.5.0.15 (WhatIsNew_4_5_0_15.pdf)
2014-04-14	4.5.0.14 (WhatIsNew_4_5_0_14.pdf)
2014-04-07	4.5.0.13 (WhatIsNew_4_5_0_13.pdf)
2014-03-31	4.5.0.12 (WhatIsNew_4_5_0_12.pdf)
2014-03-23	4.5.0.11 (WhatIsNew_4_5_0_11.pdf)
2014-03-17	4.5.0.10 (WhatIsNew_4_5_0_10.pdf)
2014-03-13	4.5.0.7 (WhatIsNew_4_5_0_7.pdf)

Programming language	C#
Operating systems	Windows Vista, Windows 7, Windows 8 + 8.1
.net Versions	≥ 4.5
Size (1 exe, 5 dll's, 33 icons/images)	404 KB
Lines of code	10.680
Classes	92
Architecture	MVVM
Errors now / errors June 2014	1 per 500 / 1 per 10.000 lines of code
Installation time	2s
Actual version	4.5.0.15 – 2014-04-22
Maximum of WBS elements per project	2.147.483.647
Maximum of levels per project	2.147.483.647
Baseline / plan versions	1 per day
Smallest / largest elapsed time	1 calendar day / approx. 100 years
Smallest / largest unit of work	any / any
Smallest / largest unit of cost	any / any

Special thanks to [Anders Hejlsberg](#) and [John Gossman](#) for their contributions to the software industry.

Please use an appropriate logo/image from this list when you refer to WBStool 8 in a document or presentation:

[16 x 16](#)

[32 x 32](#)

[32 x 177](#)

[48 x 48](#)

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