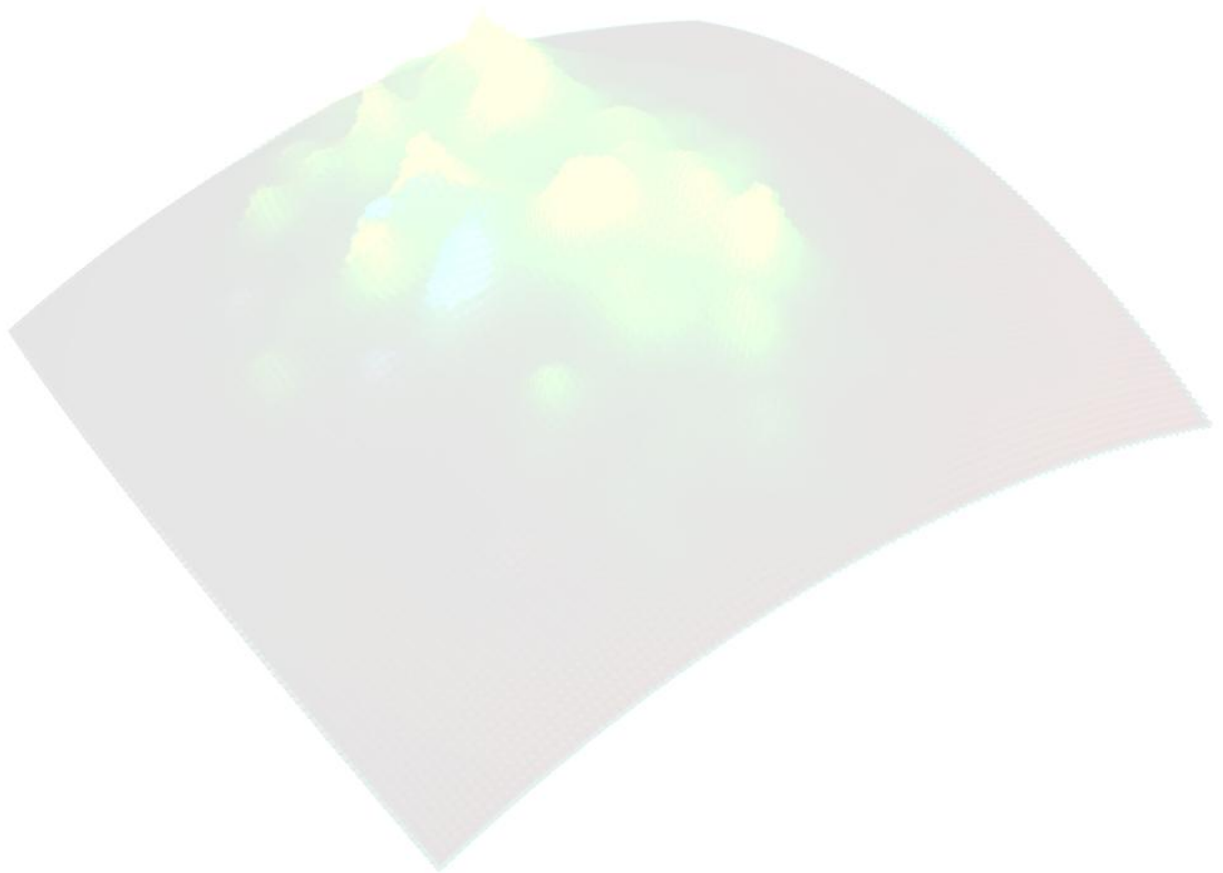


TMSmap[®]

Software for nTMS data analysis

Version 1.8.04

Brief Manual



2016

Content

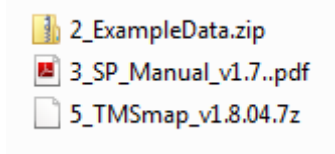
1	Requirements.....	3
2	Download	3
3	Start	3
4	Settings	4
5	Load data.....	5
6	Results	7
7	Contacts.....	8

1 Requirements

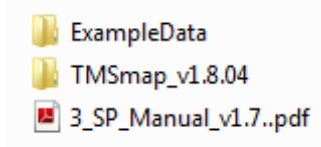
MS Windows 7-10, MS .NET Framework 4.

2 Download

Files downloading is available after registration on website <http://tmsmap.ru/>. Please choose Download section, below you could see versions of software, manual and example data. It is recommended to download the latest versions.

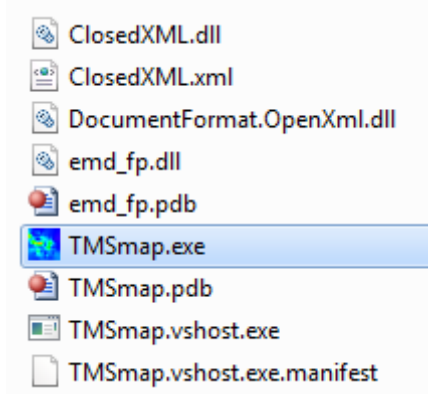


After downloading please extract software and example data files from “.zip” or “.7z”.

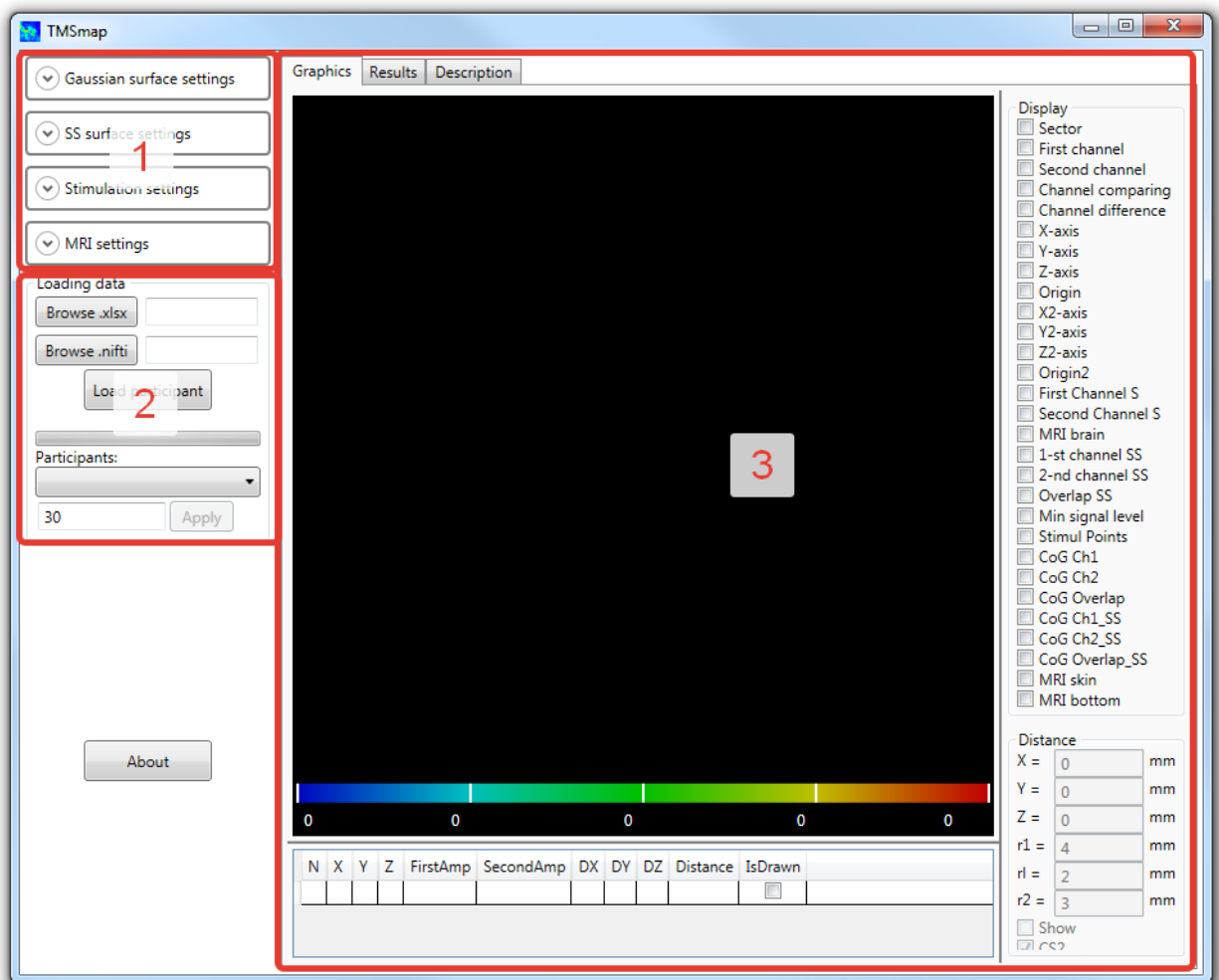


3 Start

To start application please double click on tmsmap.exe in the "TMSmap_v..." folder.



After successful launch you could see main window of the application. There are 3 blocks in main window. 1 - Settings, 2 - Loading data, 3 - Results control.



4 Settings

Before data loading you could change calculation settings relatively to:

- Gaussian surface
- ABOS surface
- Nexstim
- MRI data

^ Gaussian surface settings

nAlp:	50
nBet:	50
Sigma^2:	0.4

^ SS surface settings

nAlp:	100
nBet:	100
Filter criteria:	Mean
Accuracy:	0.1
Max iter num:	100
R_influence:	5

^ Stimulation settings

Min signal, mkV:	50
None value, mkV:	10

^ MRI settings

Min skull rho:	90
Min brain rho:	250
Max brain rho:	1000
Skull thickness:	20
Max deep:	100

Ellipse effect

For example you could change “Skull thickness” parameter to 25.

^ MRI settings

Min skull rho:	90
Min brain rho:	250
Max brain rho:	1000
Skull thickness:	25
Max deep:	100

Ellipse effect

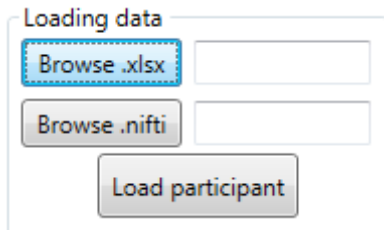
5 Load data

Please use “Load data” section.

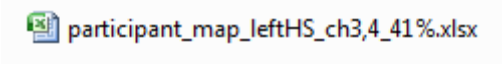
Loading data

Browse .xlsx	<input type="text"/>
Browse .nifti	<input type="text"/>
Load participant	

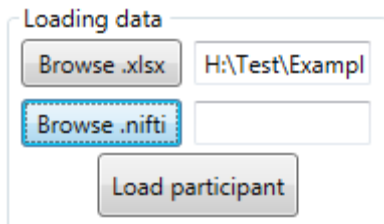
Press “Browse .xlsx” button.



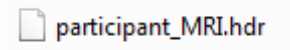
Choose file with mapping data from “ExampleData” folder.



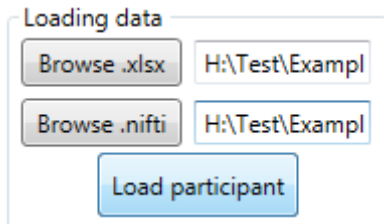
Press “Browse .xlsx” button.



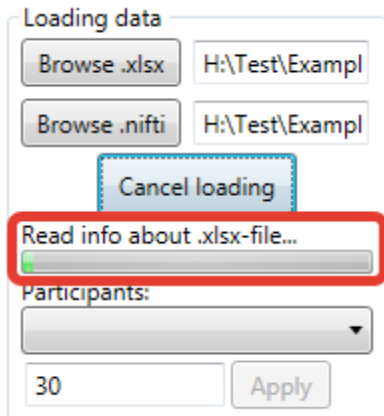
Choose file with MRI data from “ExampleData” folder.



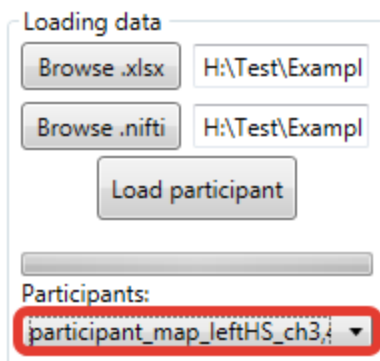
Press “Load participant” button.



During loading data you could see changing progress bar.

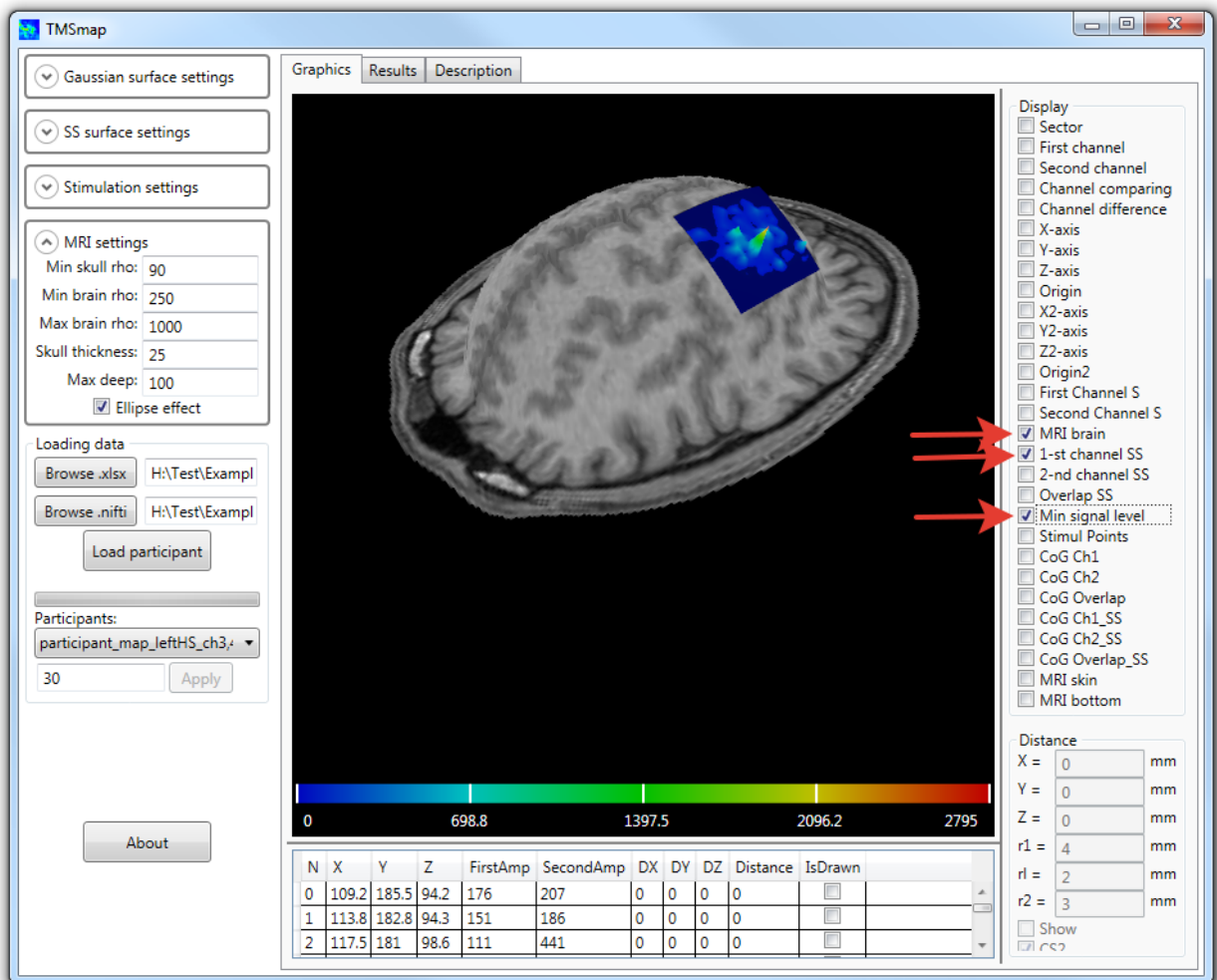


After successful data loading the application creates the new .xlsx file with the same name + _mod. New file has color cells for useful data. New item appears in “Participants” list.



6 Results

For results view (response areas, volumes, overlaps, points, map shape, CoGs, etc.) please choose the corresponding checkboxes



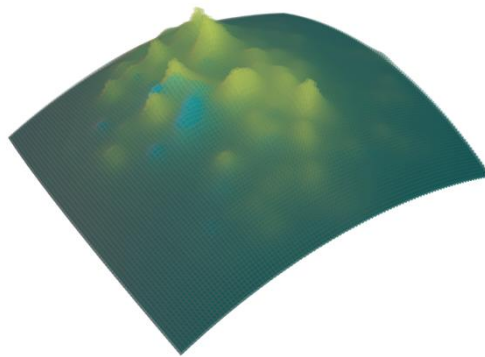
7 Contacts

Please, send your questions, suggestions or even error reports to software authors:

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Moscow, Russia

2016