

## RISK REGISTER

**Project :** Cloud-based Spatio-temporal Big Data visualisation

**Project No:** 3

**As At:** 17 September, 2016

No	Description	Impact	L'hood	Owner	Mitigation Strategies	Contingency Plan
1	Not being able to complete the application within the allocated timeframe	H	L	Team	Prevent scope creep within development of application by limiting functions to specific sprints.	Be prepared to drop some functionality
2	Not being able to get support for development of core application components.	H	M	Team	Evaluate and prioritise the tasks that are achievable.	Be prepared to drop some functionality
3	Data from the BeSpaceD repository could be corrupt.	H	L	Team	Clean the data before it is used in the application	Re-extract data from BeSpaceD.
4	Team members may not be able to complete their assigned task, due to sickness or work commitments.	M	L	Team	Keep a clear line of communication open, if any member is in doubt of their ability to complete a task they need to let the team know ASAP.	Share knowledge base on development and roles for each function (Trello).
5	Connectivity to the cloud could be intermittent/non-existent.	H	L	Team	Make sure that there is good connectivity in the area that will be used for testing and use of the application. i.e. If using WiFi make sure that the WiFi base is close to the user.	Keep a local copy of the data and application, as a backup.
6	SAGE2 could crash	H	L	Team	Developers should use standalone workstations/testing servers to make sure that any issues/bugs are worked out before the handover of the application.	Restart SAGE2 application. Reboot the device OS.

7	Big Data from BeSpaceD might fail to convert to a 3D graphic due to illegal data.	H	L	Team	Clean all data from BeSpaceD before use in application.	Re-extract data from BeSpaceD.
8	Cloud based Linux server could crash/freeze.	H	L	Shyam Nath	Test the server to make sure that it can handle the functionality or the application, as well as have the resources needed to run the application.	Keep a local copy of the data and application, as a backup.
9	Under estimate development time frame	H	L	Team	Keep scope creep minimized by the use of sprints for each function, also build the main functions first so the application works with the core functions before thinking of additional functionality.	Be prepared to drop some functionality
10	Disagreement on application functions	M	L	Team	Keep a clear line of communications open with team members, discuss all functionality in meetings.	Use a majority rule for voting on specific aspects of the project.
11	Software bugs could cause application to not function in meaningful manner	H	L	Team	Test all levels of the application across all platforms that will run the application. Test all build versions of the application.	Keep previous versions of software to be used in case of latest versions causing bugs.

Impact = Impact on the Business or project in the event the risk is realized  
L'hood = Likelihood of risk being realized