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| **Project agreement for semester work IVIS** | | | **IVIS 2018** |
| Main topic | Weapons, Nuclear, Explosions, Map | | e.g. Sports, Food, Politics, … |
| Student 1 | Kevin Bieri (kevin.bieri@students.fhnw.ch) | | eMail-Address, Module name |
| Student 2 (opt.) | Robin Christen (robin.christen@students.fhnw.ch) | |
| Language | German | English |  |
| Title (preliminary) | Working title (may be changed later)  NUKE | | |
| Dates | Preferred delivery and presentation date  Delivery: May 29 2018, Presentation: Jun 5, 2018  Delivery: Jun 5 2018, Presentation: Jun 12, 2018 | | |

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| Summary | Describe your concept in 500 characters  Zeitraffer über die verschiedenen nuklearen Explosionen seit 1945.  Dargestellt auf einer Weltkarte.  Der Zeitpunkt kann über einen Slider eingestellt,  oder automatisch abgespielt werden.  Die Fläche des Indikators ist abhängig von der Sprengkraft der Bombe.  Die Länder sollen visuell erkennbar gemacht werden.  Falls genügend Zeit:  - Zoom Funktion auf das Geschehen  - Länder Filter  - Bar Chart zum Mengenvergleich der Bomben pro Land  - Nukleare Hintergrundstrahulng über Zeit anzeigen |
| Data sources | Provide URLs to at least 2 data sources  https://fas.org/issues/nuclear-weapons/nuclear-notebook/  http://www.johnstonsarchive.net/nuclear/tests/ |

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| **Schedule** | Est. time | Comment |
| (1) data analysis | 7.00 h |  |
| (2) story concept | 4.00 h |  |
| (3) data acquisition | 12.00 h |  |
| (4) data integration | 8.00 h |  |
| (5) chart sketching | 6.00 h |  |
| (6) implementation | 34.00 h |  |
| (7) design | 15.00 h |  |
| (8) documentation | 8.00 h |  |
| (9) presentation | 3.00 h |  |
| Total | 97 h | Make sure to plan at least 45 hours per student. |

Appendix

Additional material such as sketches, etc