

WP2 Prototype Development

**Simon Krause
movisens GmbH**

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WP2



- **Export API**
- **Maintenance**



This project has received funding from the European Union's Horizon 2020 research and innovation Programme under grant agreement 945263 (IMMERSE)

WP2 Export API



- **Integration with WP3 on staging system**
- **Exported data**
 - **Participant-Data**
 - **Intervention Design (used for data explanation)**
- **Current problems:**
 - **Export of huge amount of data causes too much stress interfering with DMMH execution**



WP2 Export API – user data

```
{
  "studyName": "My Clinical Trial",
  "id": "04dbbc1f-6f7a-47c7-856c-74f1d03f34e4",
  "resultPeriod": { "from": "2023-09-11T18:00:00Z", "until": "2023-11-11T00:00:00Z" },
  "participants": [
    {
      "id": "7669bfc0-051c-4191-bb30-7a3adda9c062",
      "pseudonym": "Last 03",
      "groupId": "dc67017a-7db5-4be4-9689-77fd2ef5f7bf",
      "groupName": "default",
      "deletedAt": null,
      "interactions": [
        { ...
        },
        {
          "id": "4336bd67-3e45-494f-918d-fa07932d06ea",
          "start": "2023-10-06T09:32:19.307889Z",
          "end": "2023-10-06T09:32:19.308094Z",
          "triggerTime": "2023-10-06T09:32:19.307624Z",
          "triggerName": "ConfigurationUpdate",
          "triggerSource": "7669bfc0-051c-4191-bb30-7a3adda9c062",
          "reminderAmount": 0,
          "counter": 2,
          "status": "COMPLETED",
          "therapyElementId": "33c674f6-5522-4ef6-ac4c-52228e36ae05",
          "values": [
            { "variableId": "d46e18b5-3d99-44a8-9c37-c58fd0d3d9e2", "status": "ANSWERED", "value": "Euro"
          ],
          "subInteractions": []
        },
        {
          "id": "a12b1eba-5e5b-4911-bc32-05677a922a65",
          "start": "2023-10-06T09:32:19.337745Z",
          "end": "2023-10-06T09:32:40.939864Z",
          "triggerTime": "2023-10-06T09:32:19.337519Z",
          "triggerName": "RequestedInteraction",
          "triggerSource": "5801562b-c00e-4a5f-9a7c-3e193d9c4e95",
          "reminderAmount": 0,
          "counter": 3,
          "status": "COMPLETED",
          "therapyElementId": "5801562b-c00e-4a5f-9a7c-3e193d9c4e95",
          "values": [
            { "variableId": "c44cb46f-c5cc-4217-95d1-dba9949c9690", "status": "ANSWERED", "value": 3 },
            { "variableId": "5070e8a5-4b1e-4b3c-9b7d-0831f4fc20ba", "status": "ANSWERED", "value": 5 },
            { "variableId": "aa7079f9-f51d-4074-9e5a-617114137452", "status": "ANSWERED", "value": 1 },
            { "variableId": "329d1a75-36c6-4873-9d40-cef9abb8dcc0", "status": "ANSWERED", "value": 4 }
          ]
        }
      ]
    }
  ]
}
```



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WP2 Export API – Intervention design



```
{
  "version": "1.0.0",
  "interactions": [
    {
      "id": "4df39d75-ea57-41c0-872b-f6989c5e094c",
      "title": "The core module for daily beeps",
      "configurationVariables": [],
      "interactionVariables": [ ↩ 27 ↪ ],
      "interactionTriggers": [
        {
          "id": "e2f60219-6b75-4b58-802e-a9ded1027b53",
          "type": "TriggerDailyAtRandomInTimeRangeVariableConfig",
          "spec": "Daily 8 times with minimum distance of 20 minutes \nat
random time in time range variable (bec6bf63-1727-47cc-a36f-e8dd77dab213).",
          "conditions": [
            {
              "id": "16b3718d-0234-4fd9-a879-6d2d328e7a70",
              "type": "WeekdayConditionConfig",
              "spec": "On one of the following weekdays: MONDAY, TUESDAY,
WEDNESDAY, THURSDAY, FRIDAY"
            }
          ]
        }
      ],
      {
        "id": "66c10f43-1a34-4532-a3e1-c8ecfcb62f28",
        "type": "TriggerDailyAtRandomInTimeRangeVariableConfig"
```

```
{
  "version": "1.0.0",
  "interactions": [
    {
      "id": "4df39d75-ea57-41c0-872b-f6989c5e094c",
      "title": "The core module for daily beeps",
      "configurationVariables": [],
      "interactionVariables": [ ↩ 27 ↪ ],
      "interactionTriggers": [ ↩ 3 ↪ ],
      "subInteractions": [
        {
          "id": "c7ce5c20-fad2-4c15-94d3-cf33b6ac1241",
          "title": "Additional Mood Items",
          "configurationVariables": [ ↩ 6 ↪ ],
          "interactionVariables": [],
          "interactionTriggers": [],
          "subInteractions": []
        },
        {
          "id": "62848b72-379a-4103-b201-e2ffc1f32925",
          "title": "_AddOn Modules:Transdiagnostic:Behaviour:Threat
Anticipation",
          "configurationVariables": [
            {
              "id": "765eed7a-111a-4fff-aa1e-d02f3b265673",
```



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WP2 Maintenance – Support statistics



- **59 Support cases**
 - 54 reported
 - 5 identified through monitoring
- **8 Ongoing and still under investigation or preparing a fix**
 - Participant specific problems (notifications, internet connection)
- **51 cases solved**
- **IONOS Incident last week**



WP2 Maintenance – Releases



- **1.2.1 (7.11.2023)**
- **1.2.0 (10.10.2023)**
- **1.1.6 (08.09.2023)**
- **1.1.5 (31.08.2023)**

Each release includes intensive system tests to ensure functionality of the system.



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