

Gateway to Research API1 and API2 Changes for April 2014 release

API1

1. In preparation for the future addition of Studentship data, API1 has a structural change to the `gtr:projectHierarchy` element. This has been updated to allow a project to be related to multiple parent projects.

N.B. This is a change to the API structure only - there will be no studentship data on GtR until a later date.

The structure has changed from this:

```
<xs:complexType name="projectHierarchy">
    <xs:all>
        <xs:element name="project" type="gtr:projectHierarchyItem"
minOccurs="1"/>
    </xs:all>
</xs:complexType>
```

to this:

```
<xs:complexType name="projectHierarchy">
    <xs:all>
        <xs:element name="parents" minOccurs="1" maxOccurs="1">
            <xs:complexType>
                <xs:sequence>
                    <xs:element name="parent" type="gtr:projectHierarchyItem"
minOccurs="1" maxOccurs="unbounded"/>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
    </xs:all>
</xs:complexType>
```

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2. The addition of Classifications to Projects has updated the gtr:project element in API1. This gtr:project element has been updated to include 4 new elements:

- gtr:healthCategories
- gtr:researchSubjects
- gtr:researchActivities
- gtr:researchTopics

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API2

As API2 is a versioned API, all of the following changes have been applied to Version 2 and can be accessed by using the following HTTP Accept headers (for XML or JSON depending on client preference):

- `application/vnd.rcuk.gtr.xml-v2`
- `application/vnd.rcuk.gtr.json-v2`

N.B. Version 1 of API2 can still be used by continuing to use the V1 HTTP Accept headers

1. The addition of Classifications to Projects has updated the `gtr-proj:project` element in API2. This `gtr-proj:project` element has been updated to include 4 new elements:

- `gtr-proj:healthCategories`
- `gtr-proj:researchSubjects`
- `gtr-proj:researchActivities`
- `gtr-proj:researchTopics`

2. API2 has an enhancement to the `gtr-pout:outcomes` element to match the paging semantics of the `gtr:bulk` element. `gtr-pout:outcomes` now includes the following paging attributes:

- `size`
- `page`
- `totalSize`
- `totalPages`