

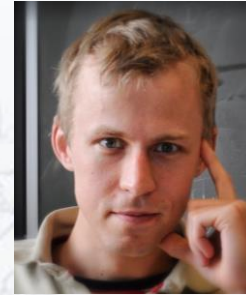
The webcast will start in a few minutes....

The AnyBody Modeling System

TOUR AND OVERVIEW OF THE NEW 7.0 VERSION

Outline

- General introduction to the modeling system
- New UI features
- Live Demo
 - Based on new MoCap Model
- New minor features
- Future vision
 - Graphical model interaction
 - New model repository (AMMR2.0)
- Questions and answers



Morten Enemark Lund
R&D Engineer



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Sr. Consultant, Ph.D

Control Panel

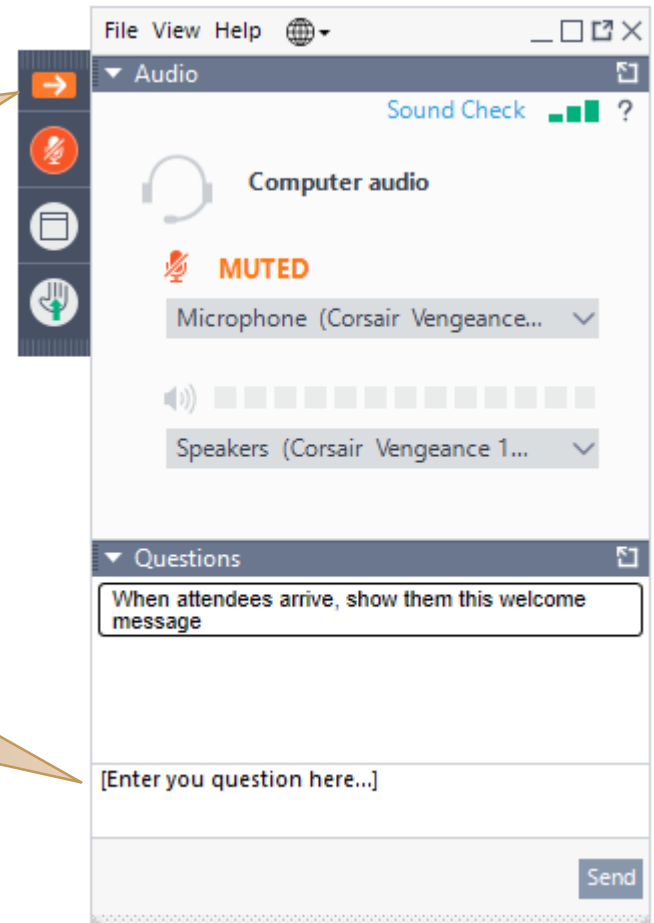
The Control Panel appears on the right side of your screen.

Submit questions and comments via the Questions panel.

Questions will be addressed at the end of the presentation. If your question is not addressed we will do so by email.

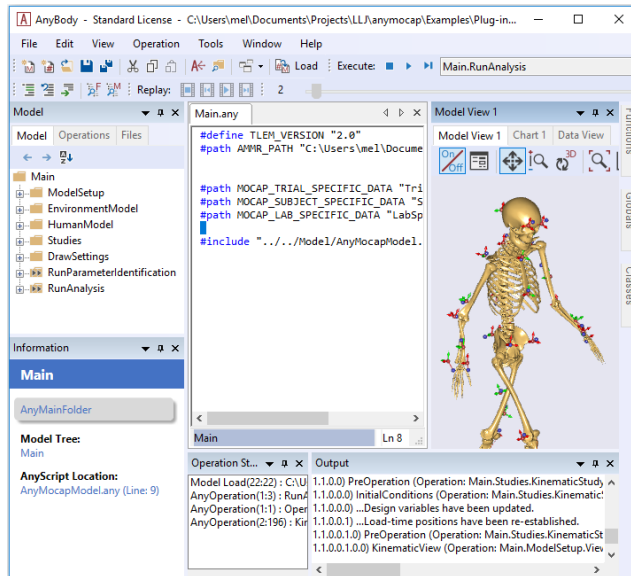
Expand/Collapse the Control Panel

Ask a question during the presentation



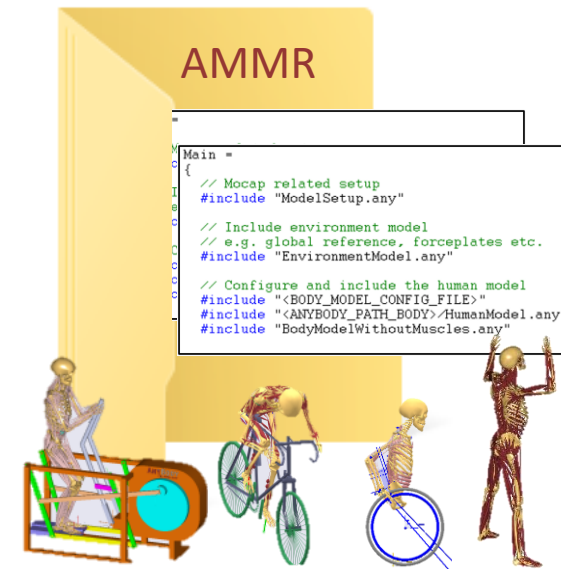
AnyBody Modeling System

ANYBODY Modeling System



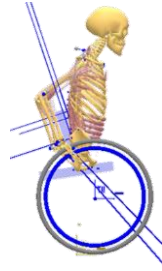
Version 7.0

Model Repository





Movement
Analysis

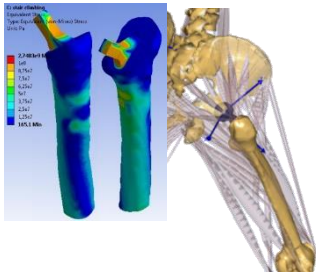


Product Design
Optimization



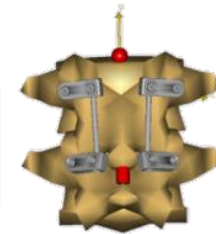
Ergonomic
Analysis

ANYBODY Modeling System

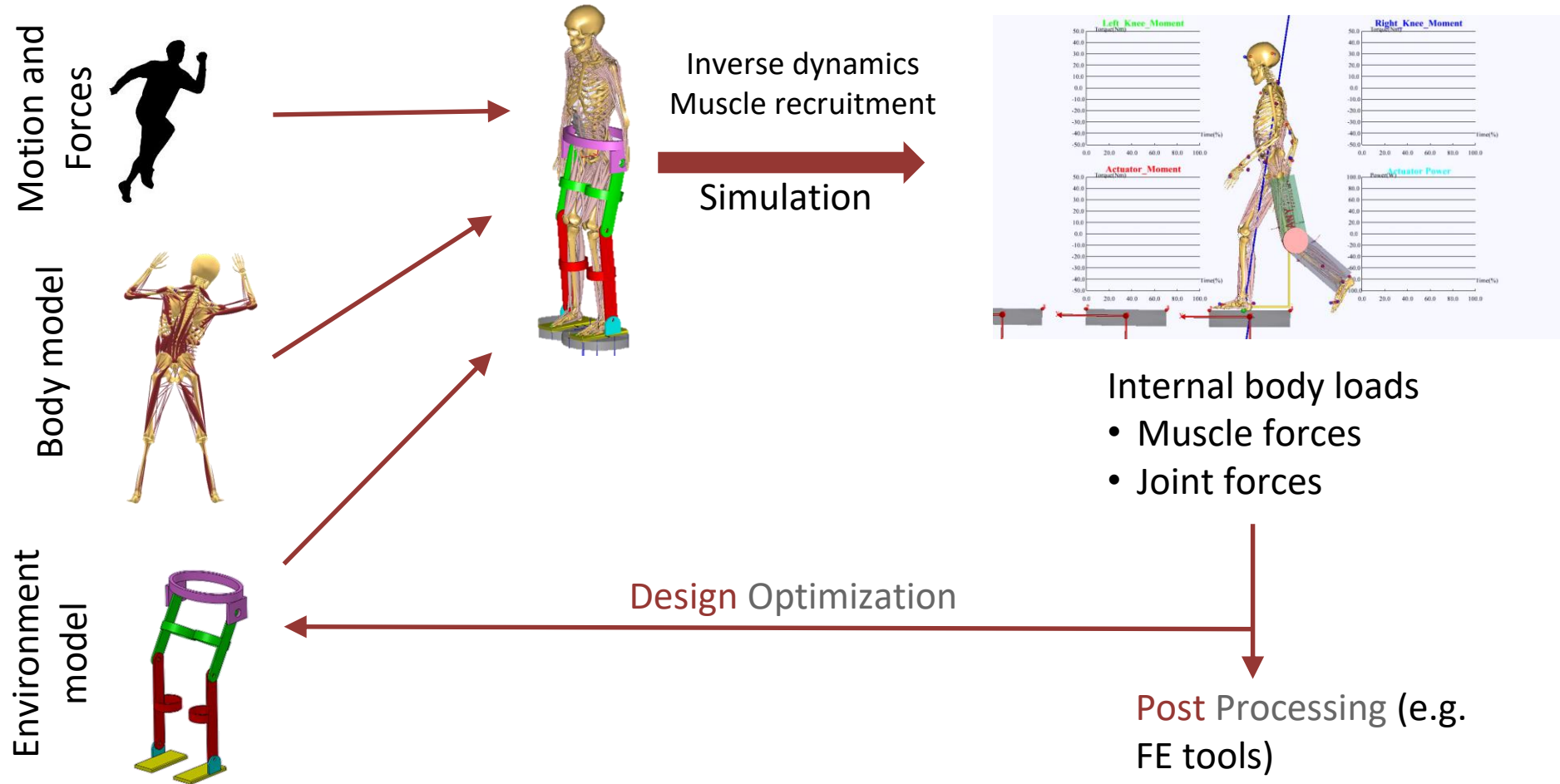


Load Cases for
Finite Element
Analysis

Surgical Planning and
Outcome Evaluation

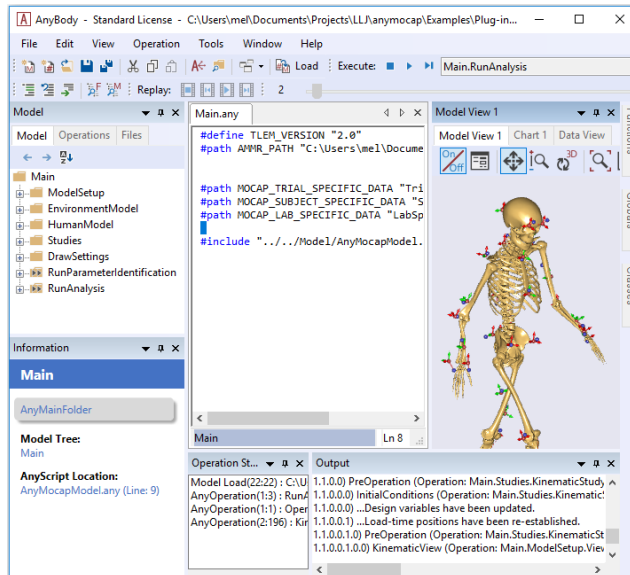


AnyBody Modeling System



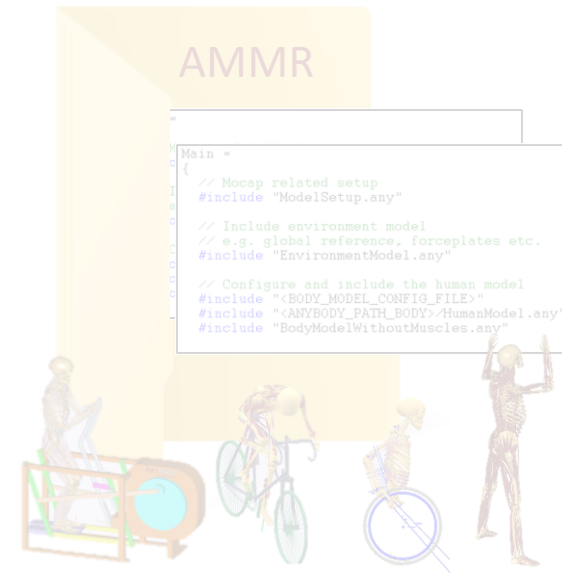
What is new?

ANYBODY Modeling System



Version 7.0

Model Repository



How to get the new version

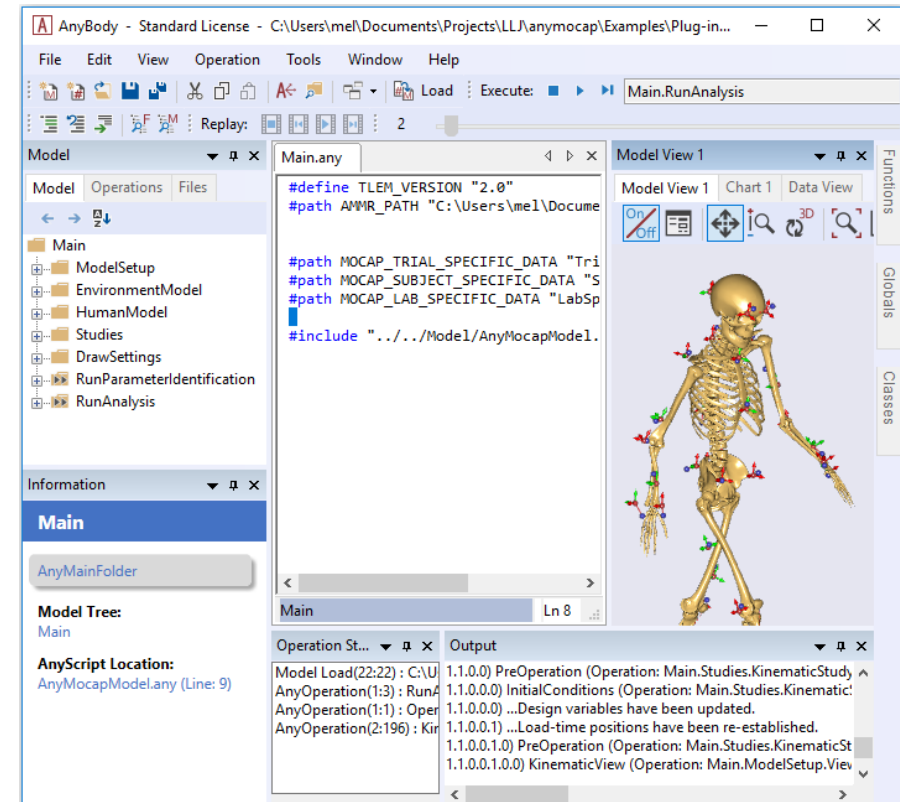
The screenshot shows a web browser window displaying the AnyBody Technology website. The page title is "AnyBody Modeling System" and the subtitle is "Download installers for the AnyBody Modeling System here." Below this, there is a table with four rows of download information. An orange arrow points to the "Download Install Guide" link for the first row, which is the 64-bit version 7.0.0.5334.

AnyBody Modeling System (64-bit version)	v. 7.0.0.5334	2017.06.07	336M	Download Install Guide
AnyBody Modeling System (32-bit version)	v. 7.0.0.5334	2017.06.07	261M	Download Install Guide
AnyBody Modeling System (64-bit version)	v. 6.1.1.4986	2017.03.23	251M	Download Install Guide
AnyBody Modeling System (32-bit version)	v. 6.1.1.4986	2017.03.23	178M	Download Install Guide

What is new?

- Major changes:
 - New framework for the user interface
 - New replay system

- Minor changes
 - New system for default drawings
 - New AnyScript functions
 - Gap filling trajectories in C3D files
 - + More tweaks and fixes (see release notes)



What is new?

AnyBody Release Notes

Hide Back Print Options

Contents Index Search

- AnyBody Release Notes
- Legal Notice, Trademarks
- AnyBody Release Notes
 - Version ID
 - System requirements
 - New in this version**
- Acknowledgements

New in This Version

AnyBody Modeling System, version 7.0.0, June, 2017.

AnyBody, v.7.0.0

Graphical User Interface

Completely new look and feel of the graphical user interface with an efficient and flexible exploitation of the desktop area including multiscreen support.

- **Dock/undock windows:** Support for docking and undocking Model View, Chart View and other information windows.
- **New Replay Toolbar:** New Replay Toolbar and replay buttons. Allow for replaying operations without explicitly selecting the replay operation in tree.
- **Improved DPI scaling:** All part of the system



AnyBody - Standard License - C:\Users\mel\Documents\Projects\LL\anymocap\Examples\Plug-in...

File Edit View Operation Tools Window Help

Load Execute: Main.RunAnalysis

Model Model Operations Files

```
#define TLEM_VERSION "2.0"
#path AMWR_PATH "C:\Users\mel\Docume
#path MOCAP_TRIAL_SPECIFIC_DATA "Tri
#path MOCAP_SUBJECT_SPECIFIC_DATA "S
#path MOCAP_LAB_SPECIFIC_DATA "LabSp
#include "../Model/AnyMocapModel.
```

Model View 1 Chart 1 Data View

On Off 3D

Functions Globals Classes

Operation St... Output

Model Load(22:22): C:\U
1.1.0.0) PreOperation (Operation: Main.Studies.KinematicStudy
AnyOperation(1:3): Run/1.1.0.0.0) InitialConditions (Operation: Main.Studies.Kinematic:
AnyOperation(1:1): Oper1.1.0.0.0) ...Design variables have been updated.
AnyOperation(2:196): Kir1.1.0.0.1) ...Load-time positions have been re-established.
1.1.0.0.1) PreOperation (Operation: Main.Studies.KinematicSt
1.1.0.0.1.0.0) KinematicView (Operation: Main.ModelSetup.View

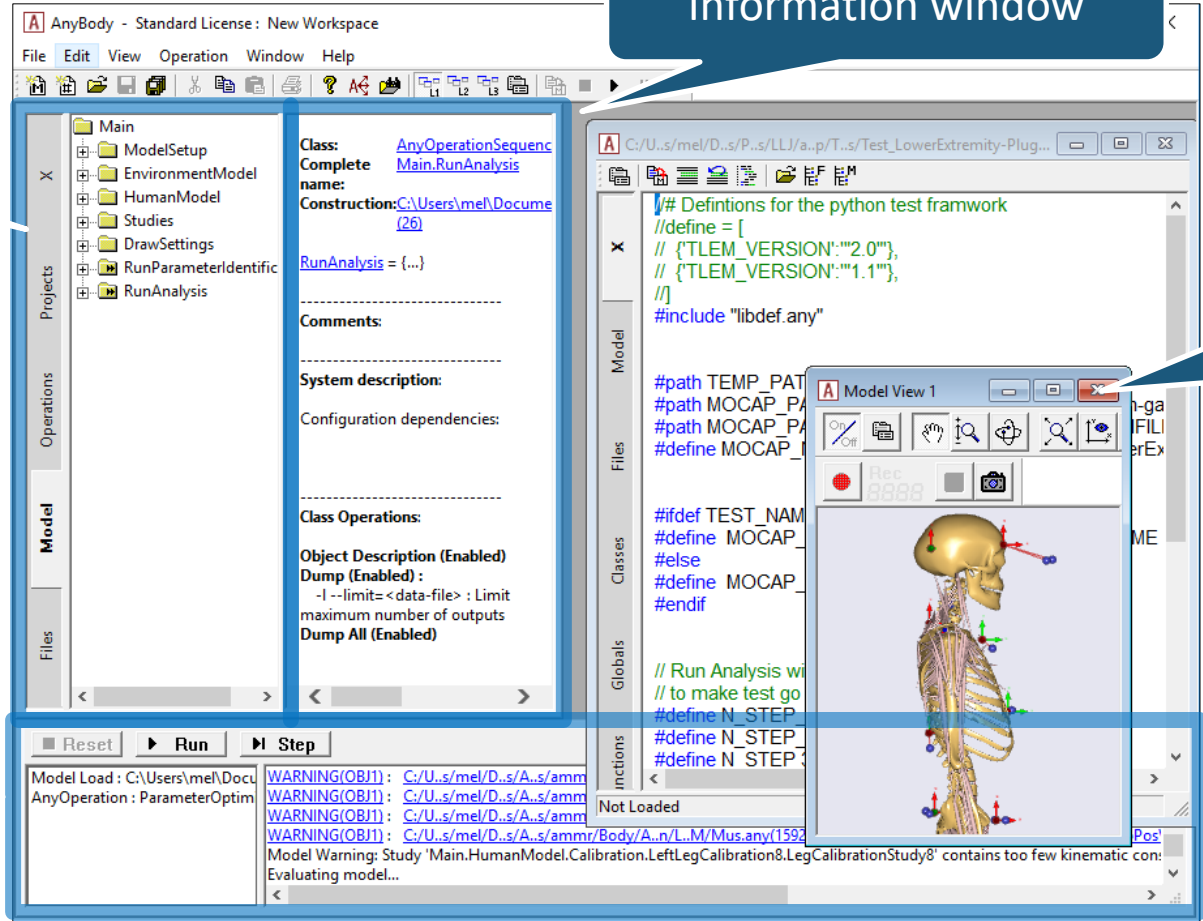
Previous version (v. 6.1)

Model tree views

Information window

Floating windows
Tend to overlap

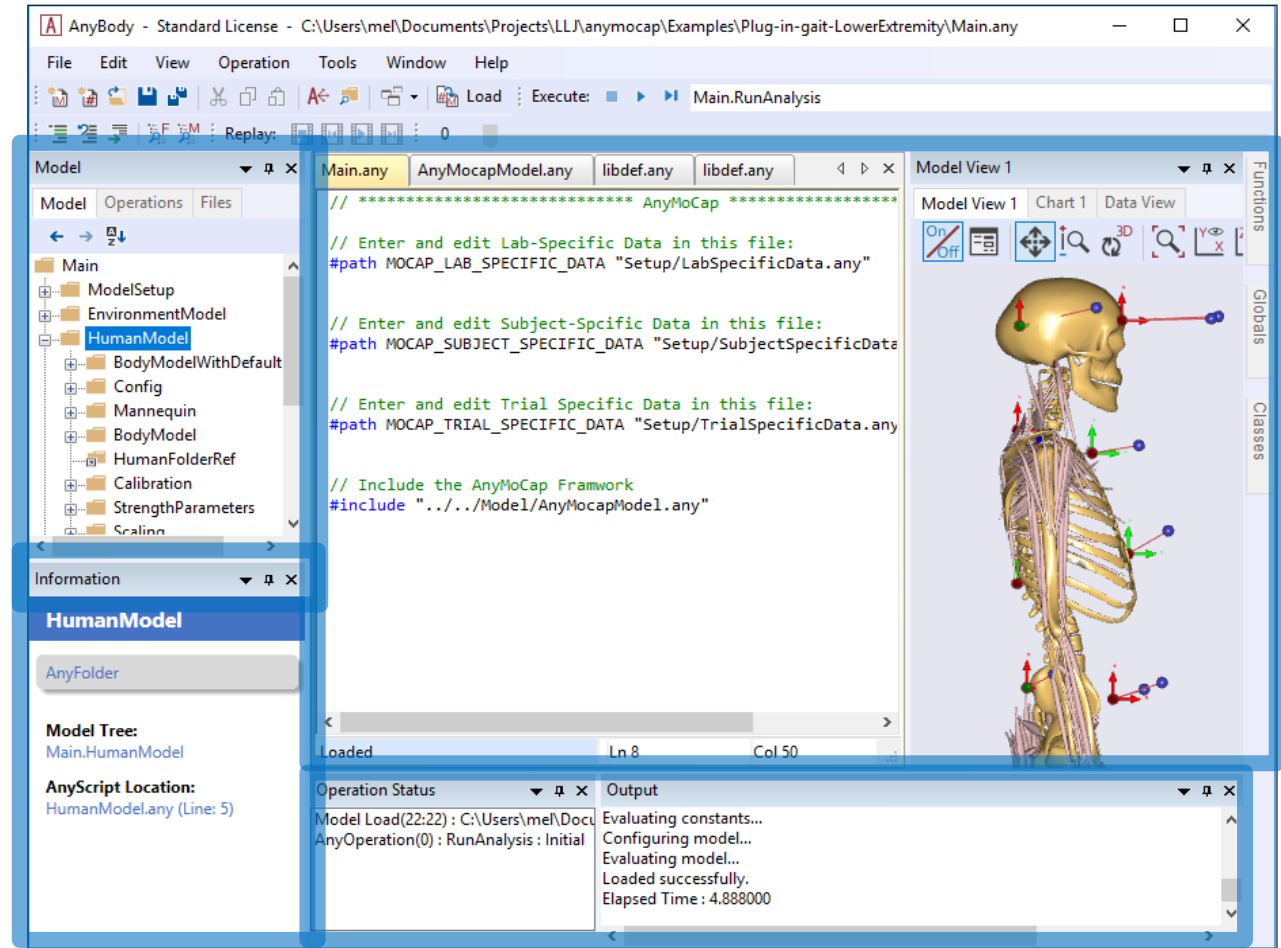
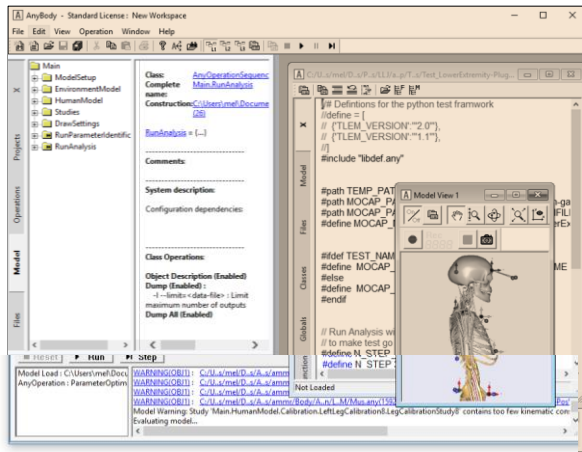
Output windows



New User Interface

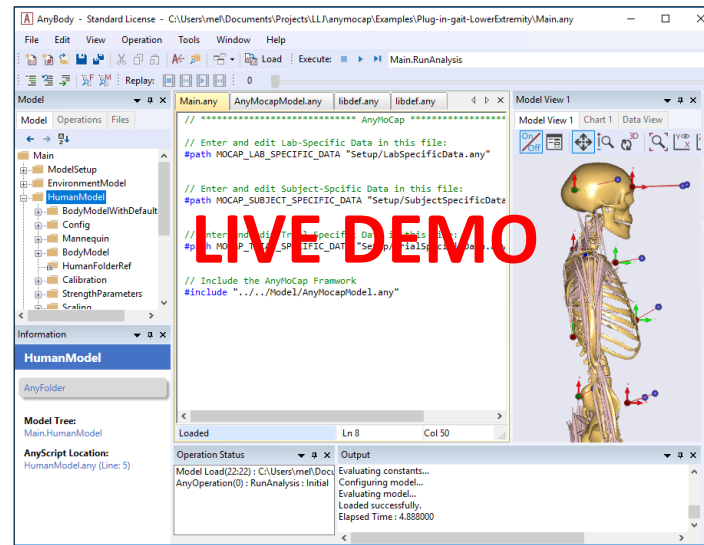
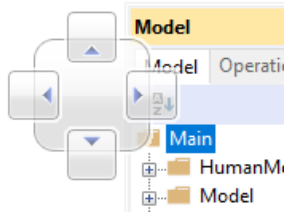
AnyBody Modeling System 7.0

AMS 6.1

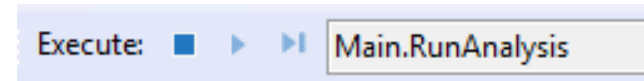


New Look'n'Feel

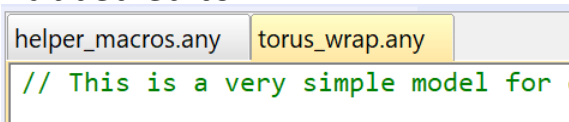
Custom window layout



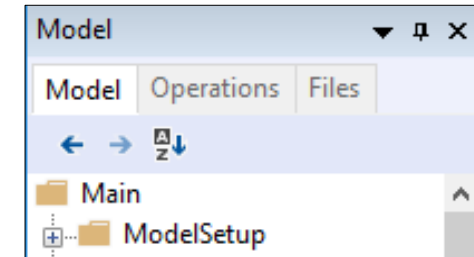
Operation control



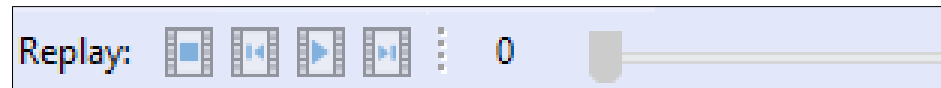
Tabbed editor



Model tree navigation and sorting



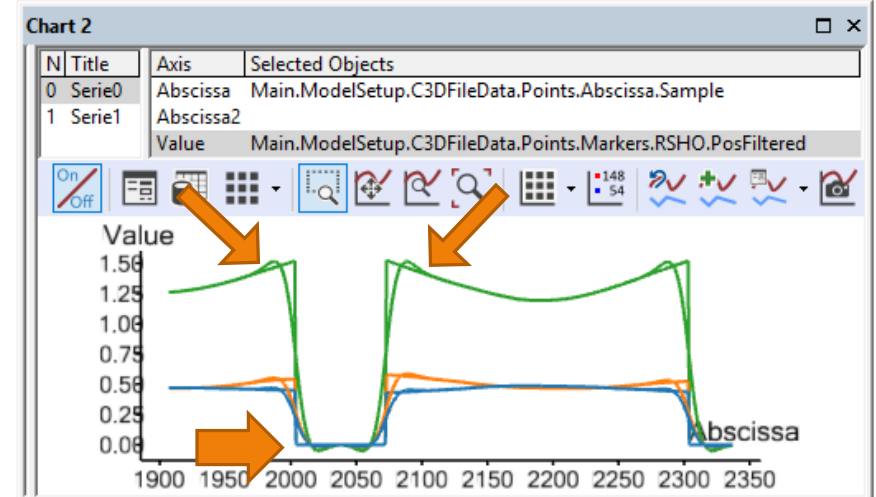
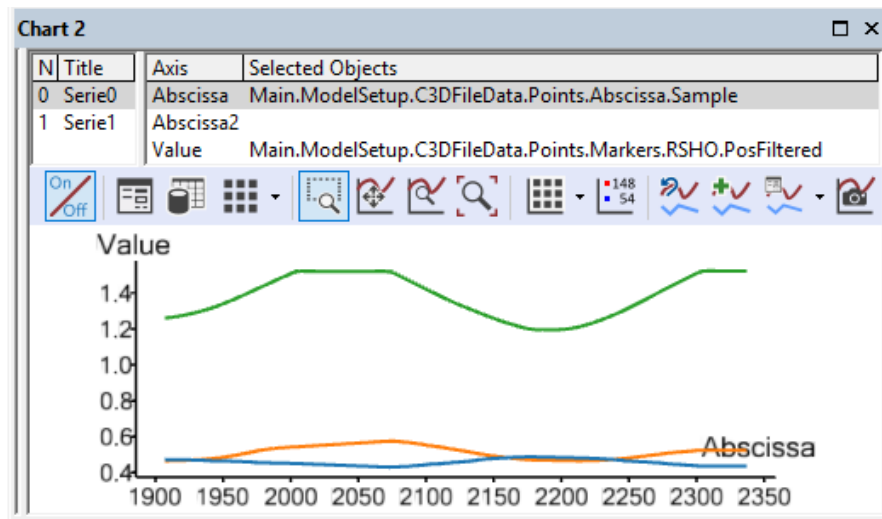
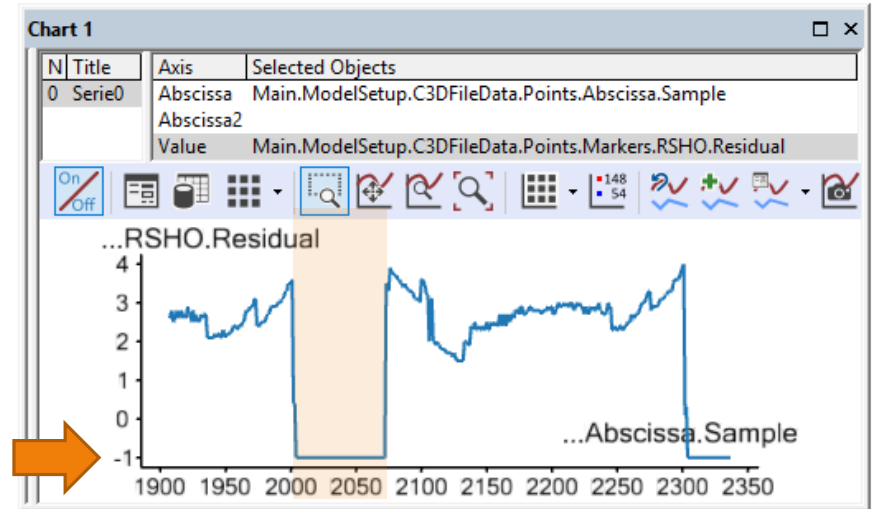
NEW! Replay functionality



Gap filling C3D trajectories

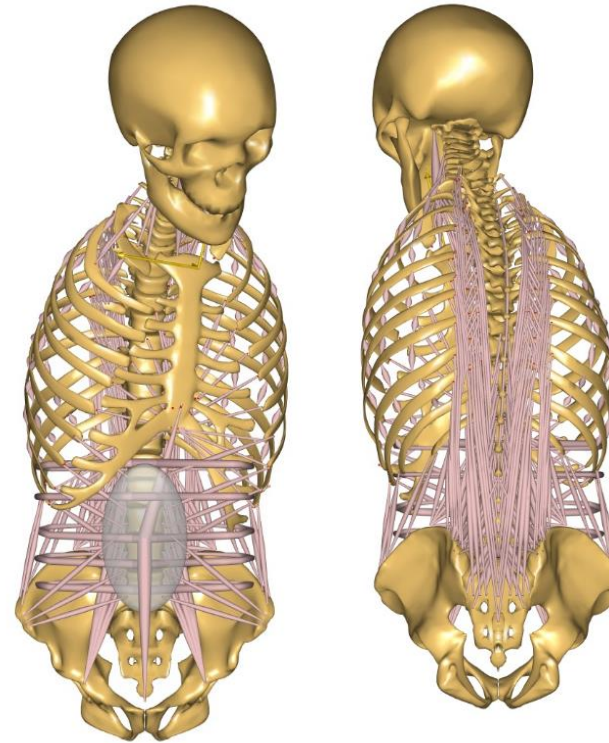
- New option in AnyInputC3D class:

```
AnyInputC3D C3DFileData = {
    :
    GapFillUsingResidualsOnOff = On;
};
```

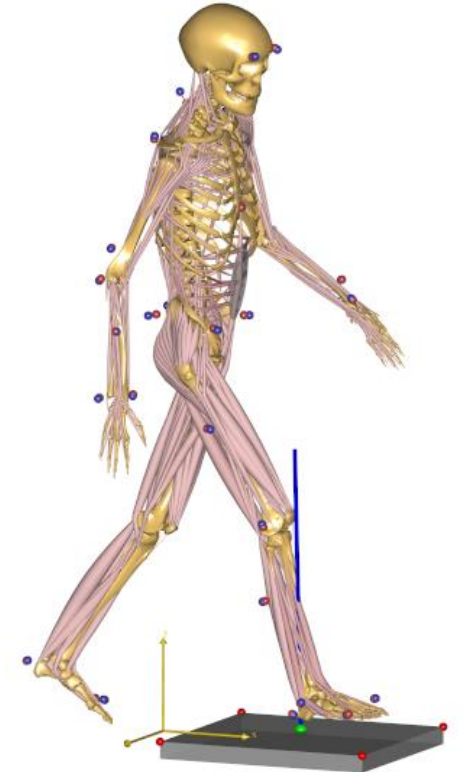


What can you expect in 2017?

- **New model repository**
 - New Lower limb model TLEM2.0
 - New thoracic model
 - Updated lumbar spine and pelvis
 - Many new application examples



New thoracic model



Twente Lower Extremity Model 2.0

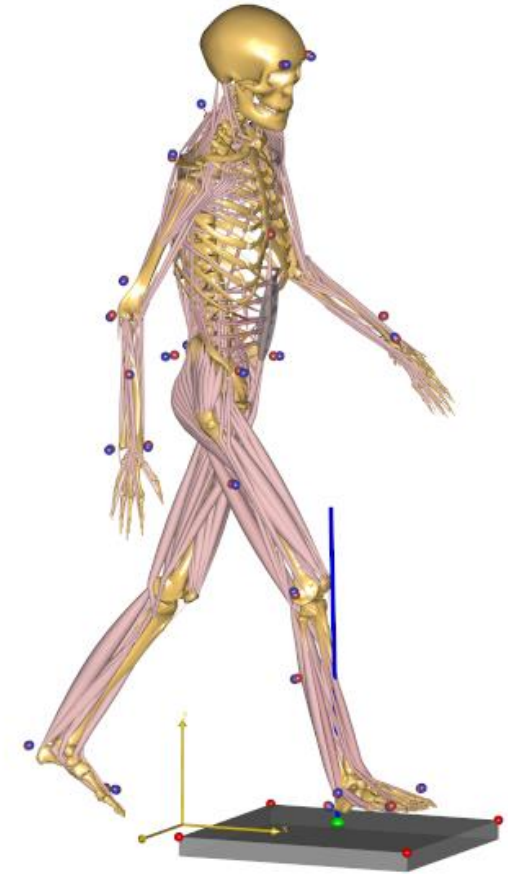
New Framework for MoCap models

Makes MoCap models much simpler

Now with Ground Reaction Force prediction



<http://github.com/AnyBody/AnyMocap>

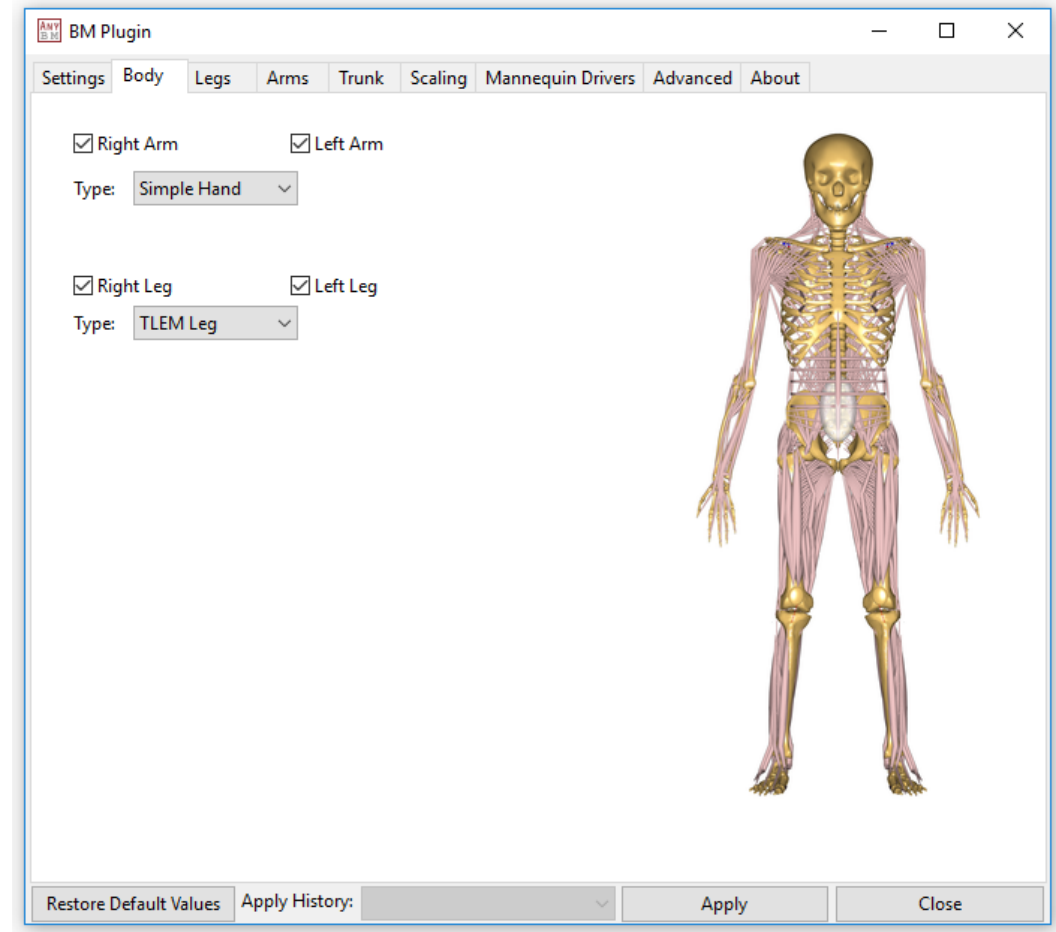


Now with Ground Reaction Force prediction

What can you expect in 2017?

- **Graphical model editing**
 - Plugin for system (Using Python)
 - Example: BM configurator plugin.

- We intend to make more apps like this.



Previous webcasts

- Check our YouTube channel

www.anybodytech.com

- Events, dates, publication list, ...

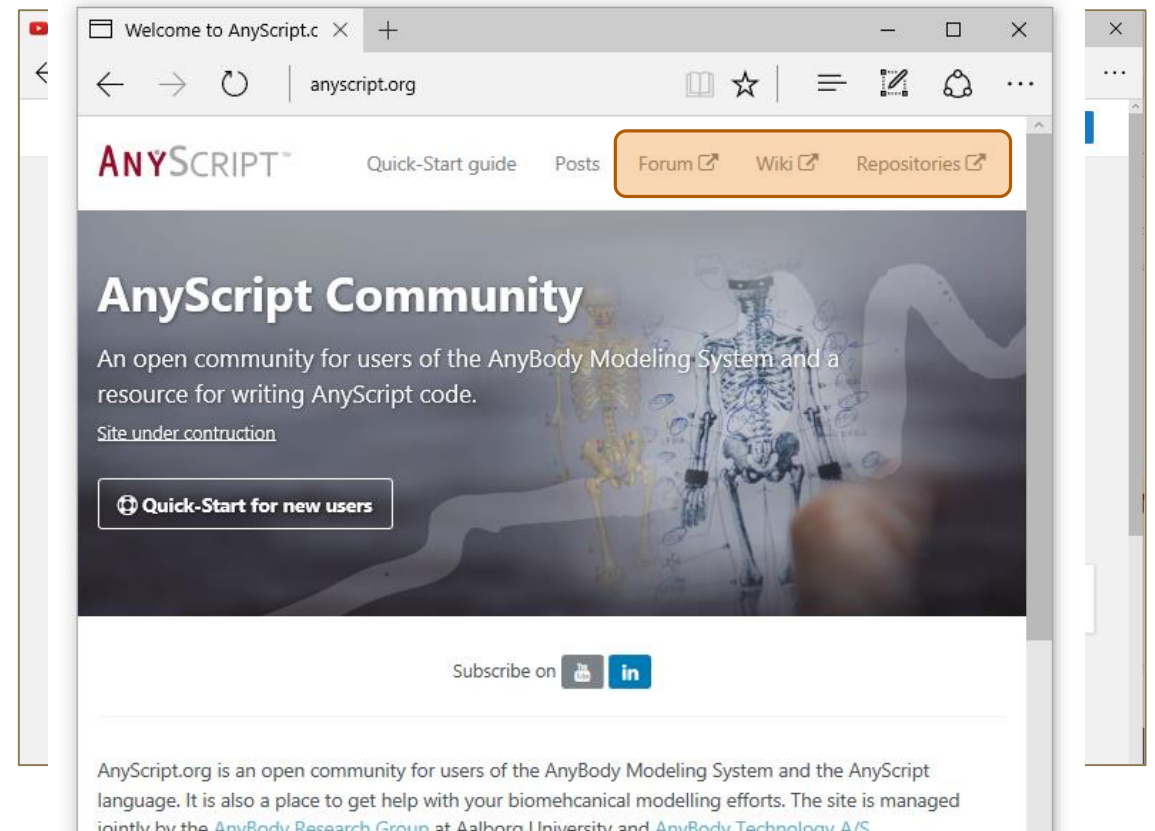
www.anyscript.org

- Wiki, Forum, Repositories

Events:

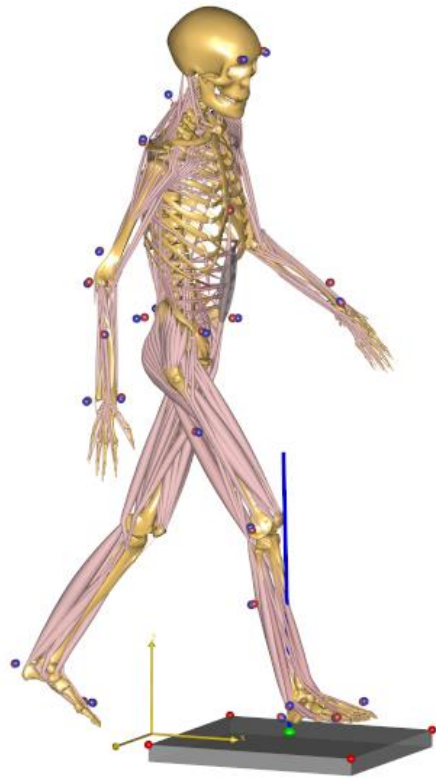
2-5 Jul: ESB2017 - Sevilla, Spain

20-27 Jul: ISB 2017 - Australia



 **Meet us?** Send email to sales@anybodytech.com

Time for questions:



Welcome to AnyScript.c x +

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AnyScript Community

An open community for users of the AnyBody Modeling System and a resource for writing AnyScript code.

Site under construction

[Quick-Start for new users](#)

Subscribe on

AnyScript.org is an open community for users of the AnyBody Modeling System and the AnyScript language. It is also a place to get help with your biomechanical modelling efforts. The site is managed jointly by the [AnyBody Research Group](#) at Aalborg University and [AnyBody Technology A/S](#)