

2024-1-16 Meeting notes

Date

Jan 16, 2024 , 10:00 AM EST (US)

Participants

- @Scot Breitenfeld ★
- @Vicky Moschou ★
- Scott Imlay ★
- @David Gutzwiller
- @Simone Crippa
- @Tobias Leicht ★
- @Gregory Sjaardema ★
- @David Gutzwiller
- @Stephen Guzik ★
- @dmitry.s.kamenetskiy ★
- @Tony Garratt ★
- @Patrick Baker (Has new representative)
- @Earl P Duque
- @ZJ Wang ★
- @Christopher Rumsey
- @Matthias Möller
- @Pierre-Jacques Legay
- Kamenetskiy, Dmitry S
- @Mickael PHILIT ★
- @Marc Poinot
- @Koen Hillewaert
- Giorgos Strofylas (BETA CAE) ★
- Stavros Arestis (BETA CAE) ★
- David Garlich ★

★ In attendance

Steering Committee Issues

Discussion topics

Item	Presenter	Notes
Approve 2023/10/3 minutes.	@Scot Breitenfeld	<input checked="" type="checkbox"/> post the last meeting's minutes to the CGNS webpage.

<p>cgns.org owner??</p>	<p>@Scot Breitenfeld</p>	<p>Unknown, Registered through GoDaddy, which only contacts through a broker service.</p> <p>Filled out the form on GoDaddy to contact the owner.</p> <p>UPDATE: No contact from the owner.</p>
<p>high-level editing tools for the documentation page</p>	<p>@Marc Poinot @Christopher Rumsey @Scot Breitenfeld</p>	<p>The Doxygen branch was merged to develop.</p> <p>Started to explore using Breathe and Sphinx using the <i>develop</i> branch.</p> <p>UPDATE: Still in progress.</p>
<p>Converting CGNSTalk archive to Github Discussion Posts</p>	<p>@Scot Breitenfeld</p>	<p>No update.</p>
<p>Discussion of the need to extend the standard to include identifiers and references</p>	<p>@Scot Breitenfeld</p>	<p>With more widespread sharing of CGNS data, for example, ML training, it might be helpful to standardize unique identifiers (global) for the file (maybe data, local?). Some examples:</p> <ul style="list-style-type: none"> • Online Resources: creator URL, publisher URL, contributors • UUIDs, date convention, citations • Descriptive keywords • Lineage: audit trail for mods to original data <p>Should we go ahead with a CPEX?</p> <p>@Scot Breitenfeld Will go ahead with CPEX.</p>
<p>mixed element/face zones discussion</p>	<p>@David Garlisch</p>	<p>ParaView: Mixed definition of unstructured zone by elements and by faces is not valid · CGNS/CGNS · Discussion #720</p> <p><input checked="" type="checkbox"/> @David Garlisch will post to cgnstalk files that show the issue, @Gregory Sjaardema will look into it.</p> <p>Unrelated, the files also cause Paraview to crash.</p> <p><input type="checkbox"/> @Scot Breitenfeld will follow-up with @Gregory Sjaardema</p> <p><input type="checkbox"/> @Vicky Moschou and others will draft a document to discuss hardening the specification for faces in the case of mixed meshes.</p>
<p>Status update on Accepted CPEX #0045</p> <p>CGNS-182: CPEX 0045: Polynomial Data and Curved Grid Elements</p> <p>IN PROGRESS</p>	<p>No Discussion</p>	<p>There is currently no one actively working on this. We will keep the project on the meeting agenda, but we don't expect any updates.</p>
<p>Status update on Accepted CPEX #0047 Proposed Data integration Points</p>	<p>@Mickael PHILIT</p>	<p>Working on the new website before creating a new development branch to prevent duplicating efforts.</p> <p>Started prototyping with Python and C and will push a branch on GitHub in the upcoming weeks. (The "C" branch is a slow work in progress)</p> <ul style="list-style-type: none"> • The first draft of the API is in the branch GitHub - CGNS/CGNS at wip_cpex-0047 <ul style="list-style-type: none"> ◦ No unit test of the API yet

		<ul style="list-style-type: none"> ◦ Sample test representative of applications done and will be improved to remove the ".cgns" binary file. ◦ Feedback on API is appreciated ◦ Target CGNS 5.0
prioritization, review and attribution of JIRA bugs/issues	<p>@Tony Garratt</p> <p>@David Gutzwiller</p>	<p>Next release 4.5.0, Kanban: v4.5.0 • CGNS</p> <p>Current status for Ansys:</p> <p>No urgent issues.</p> <ul style="list-style-type: none"> • @Scot Breitenfeld Is completing the option of using subfiling for CGNS. <ul style="list-style-type: none"> ◦ Targeting the 4.5.0 release, currently in the subfiling branch. ◦ cgnsview may be moved to its own repository, and the goal remains to release a working cgnsview for Mac, Linux and Windows for the 4.5.0 release. <ul style="list-style-type: none"> ▪ v4.5.0 • CGNS <ul style="list-style-type: none"> • We will leave it in the CGNS repository.
Discuss adding a level below zones to avoid slowness issues due to creating many zones.	<p>@Stephen Guzik</p>	<p>@Stephen Guzik will develop a CPEX for further discussion</p> <ul style="list-style-type: none"> • Might post the topic on cgnstalk to reach a wider audience.

New Business

Are there any new CGNS funding proposal opportunities? Nothing was identified at the meeting.

Schedule next meeting

Apr 2, 2024 , 10:00 AM EST (US)

Adjourn