Welcome & News

Jolie Macier, Marzio Nessi

FS Installation/Integration Planning

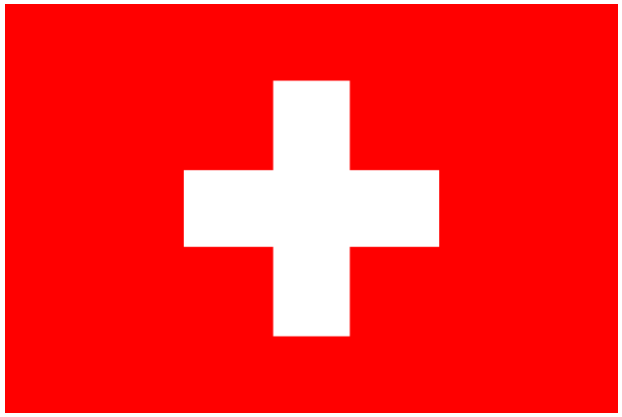
2-4 February 2020

About the region & this venue, Kartause Ittingen

Outline

- Welcome
- Meeting Logistics
- Management Updates
- News on Tools
- Tracking Actions

Say that again….



Swiss German for Dummies!

Hello = Grüezi

Good Bye =
(Uf) Widerluege

Thanks a Lot = Merci vilmal

Have a Nice Meal = En guete

yeah, right,

exactly =

Äbä, genau

Bathrooms

Man = Herren

Woman = Damen

More for overachievers!

https://www.omniglot.com/language/phrases/swissgerman.php

Hello (General greeting)	Grüezi (frm) Sali (inf) Grüezi mittenand (pl/frm) Sali zämme (pl/inf)
How are you?	Wie goots Ihne? (frm) Wie goots? (inf)
Reply to 'How are you?'	Dangge, guet, und Ihne? (frm) Dangge, guet, und dir? (inf)
My name is ...	I heisse ... Mi name isch ...
Good morning (Morning greeting)	Guete Morge
Good afternoon (Afternoon greeting)	Gueten Abig Guete Daag

Who is here?

- Your name
- Institution
- Role on LBNF/DUNE
- Your Favorite….

Meeting Agenda – Today, 2 February

	2 Feb 2020	
AM	08:30	Introduction, Meeting Overview, Status of Actions & Management Update - Marzio Nessi (CERN) Jolie Macier (Fermi National Accelerator Lab. (US)) ()
	09:15	Conventional Facilities Update - Kate Sienkiewicz (Fermi National Accelerator Laboratory) ()
	09:45	N2 VE Status & other cryogenics updates - David Montanari (Fermi National Accelerator Lab. (US)) ()
	10:15	--- coffee break ---
	10:30	DAQ strategy and location - Giovanna Lehmann Miotto (CERN) ()
	11:00	Potential changes to BSI (DAQ, VE, others) - Jack Fowler Jr (Duke University (US)) ()
	11:30	Slow Control Architecture Strategy - Giovanna Lehmann Miotto (CERN) ()
PM	12:00	--- Lunch ---

PM	12:00	--- Lunch ---
	14:00	Approval Process Strategy - Marzio Nessi (CERN) ()
	14:45	Review Office Planning - Steve Herbert Kettell (Brookhaven National Laboratory (US)) ()
	15:15	Compliance Office Overview & Expectations - Olga Beltramello (CERN) Theresa Shaw (Fermi National Accelerator Lab. (Fermilab)-Unknown-Unknown) ()
	15:45	Process Example - Review Office + Compliance Office - Giuseppe Gallo (FNAL) ()
	16:00	--- coffee break ---
	16:15	QA Expectations - Kevin Michael Fahey (Fermi National Accelerator Lab. (US)) ()
	16:45	Schedule status & management - Mohammed Elrafih (Fermi National Accelerator Lab. (US)) ()
	17:15	Logistics updates - Patrick Weber (Fermi National Accelerator Laboratory) Ladia Jakubec (Fermi National Accelerator Laboratory) ()
	18:00	ESH Experience during FSCF Pre-Excavation - Michael Andrews (Fermilab) ()
	18:30	Daily wrap up - Marzio Nessi (CERN) Jack Fowler Jr (Duke University (US)) Jolie Macier (Fermi National Accelerator Lab. (US)) ()

Meeting Agenda – Monday, 3 February

3 Feb 2020	
08:30	Status of the Integration Drawings Release - Jack Fowler Jr (Duke University (US)) ()
08:50	Detector Integration, Control Drawings & Consortia Interfaces - Theresa Shaw (Fermi National Accelerator Lab. (Ferm Unknown-Unknown) Theresa Marie Shaw (Fermi National Accelerator Lab. (US)) Kyle David Zeug (University of Wisc Madison (US)) ()
09:30	DSS Integration & Scope - Dimitar Mladenov (CERN) ()
10:00	--- coffee break ---
10:25	Field cage & cathode layout details - Bo Yu (Brookhaven National Laboratory (US)) ()
10:55	APA Design Changes & Integration - Daniel Wenman (University of Wisconsin Madison (US)) Alberto Marchionni (Fer Accelerator Lab. (US)) ()
11:25	Cable Routing (new details) & Detector Cable Information - Justin Freitag (Fermi National Accelerator Lab. (US)) Ther Shaw (Fermi National Accelerator Lab. (US)) Theresa Shaw (Fermi National Accelerator Lab. (Fermilab)-Unknown-Un
11:40	What is still missing, next steps for Integration - Jack Fowler Jr (Duke University (US)) ()
11:55	--- Lunch ---
13:45	**Installation Planning - Session I** - William Miller (University of Minnesota (US)) James Allen Stewart (Brookhaven National Laboratory (US)) (until 19:15) ()
13:45	Installation Schedule and Milestones - James Allen Stewart (Brookhaven National Laboratory (US)) ()
14:15	Installation Plan Discussion - James Allen Stewart (Brookhaven National Laboratory (US)) () Installation_Plan-v3.pdf Installation_Plan-v3.ppt
14:45	Cryostat Roof Infrastructure and Installation - Filippo Resnati (CERN) ()
15:15	DAQ Installation plan and Interface Milestones - Giovanna Lehmann Miotto (CERN) ()
15:45	--- coffee break ---
16:00	TPC Electronics work on cryostat roof & Interface Milestones - Marco Verzocchi (Fermi National Accelerator Lab. (US)
16:30	Photon work on cryostat roof - David Warner ()
17:00	Discussion of Milestones - James Allen Stewart (Brookhaven National Laboratory (US)) () Milestones-installation.pdf Milestones-installation.ppt
17:45	Cryostat Internal Outfitting - Filippo Resnati (CERN) ()
18:15	Daily Wrap-Up - Jack Fowler Jr (Duke University (US)) ()

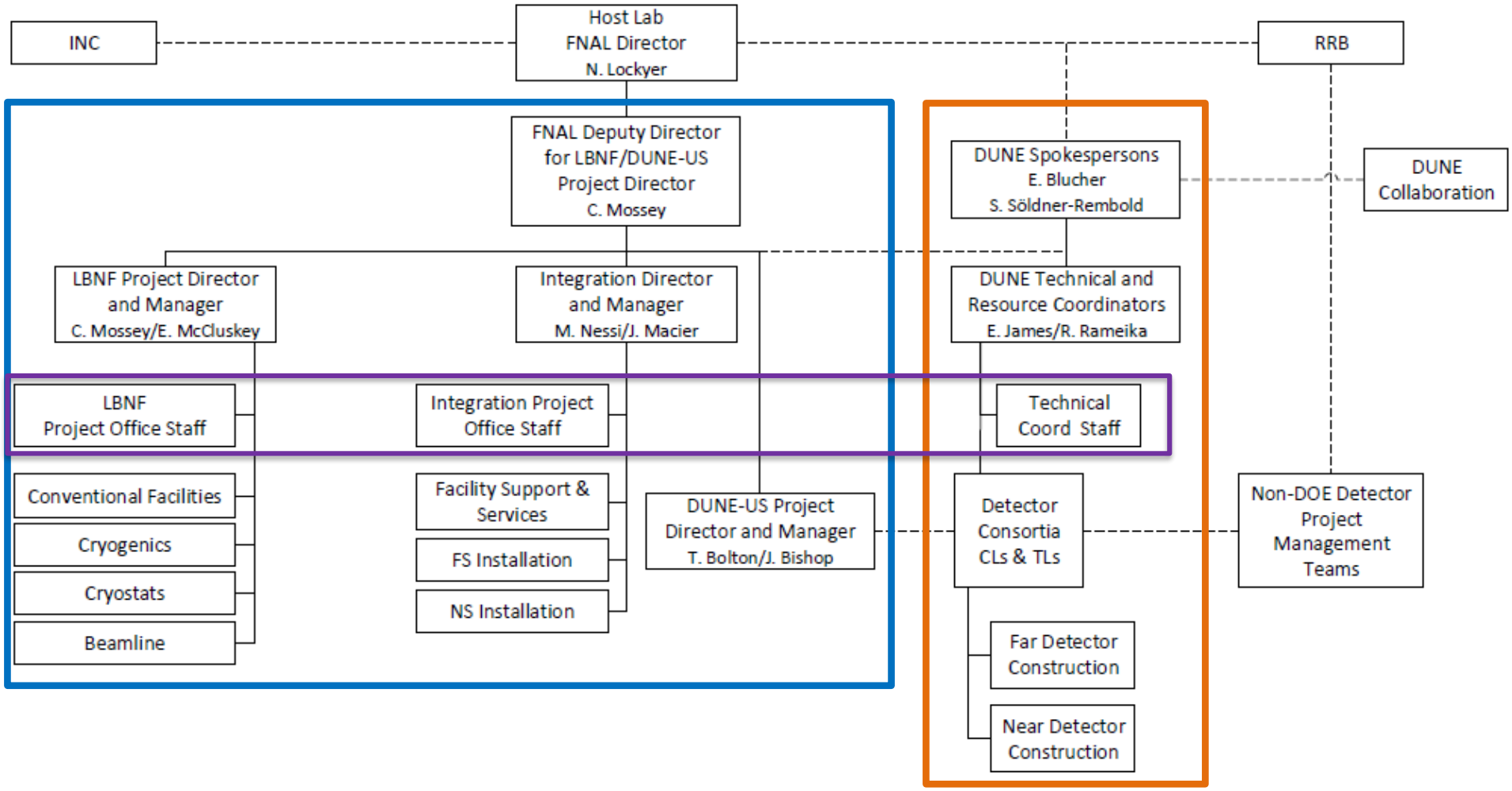
Meeting Agenda – Tuesday, 4 February

4 Feb 2020	
08:30	**Installation Planning - Session II** - James Allen Stewart (Brookhaven National Laboratory (US)) William Miller (University of Minnesota (US)) (until 12:15) ()
08:30	Plans for Calibration & Cryogenic Instrumentation - Anselmo Cervera Villanueva (Univ. of Valencia and CSIC (ES)) Jose Maneira (LIP-Lisboa) Sowjanya Gollapinni (Wayne State University (US)) ()
09:00	Update on BNL Cable Test - Manhong Zhao (Brookhaven National Laboratory (US)) ()
09:30	Cold Box Interfaces & requirements - Dimitar Mladenov (CERN) ()
10:00	--- coffee break ---
10:15	Clean Room Layout - Justin Freitag (Fermi National Accelerator Lab. (US)) ()
10:45	Ash River Prototyping & Milestones - William Miller (University of Minnesota (US)) ()
11:15	ProtoDUNE-II Plans & Milestones - Eric James (Fermi National Accelerator Lab. (US)) ()
11:45	Preparation for Directors Review April 2020 - Jolie Macier (Fermi National Accelerator Lab. (US)) ()
12:15	--- Lunch ---
13:30	Meeting wrap up - Jolie Macier (Fermi National Accelerator Lab. (US)) Jack Fowler Jr (Duke University (US)) Marzio Nessi (CERN) ()
14:45	Meeting concludes; transport to GVA departs 1500 ()

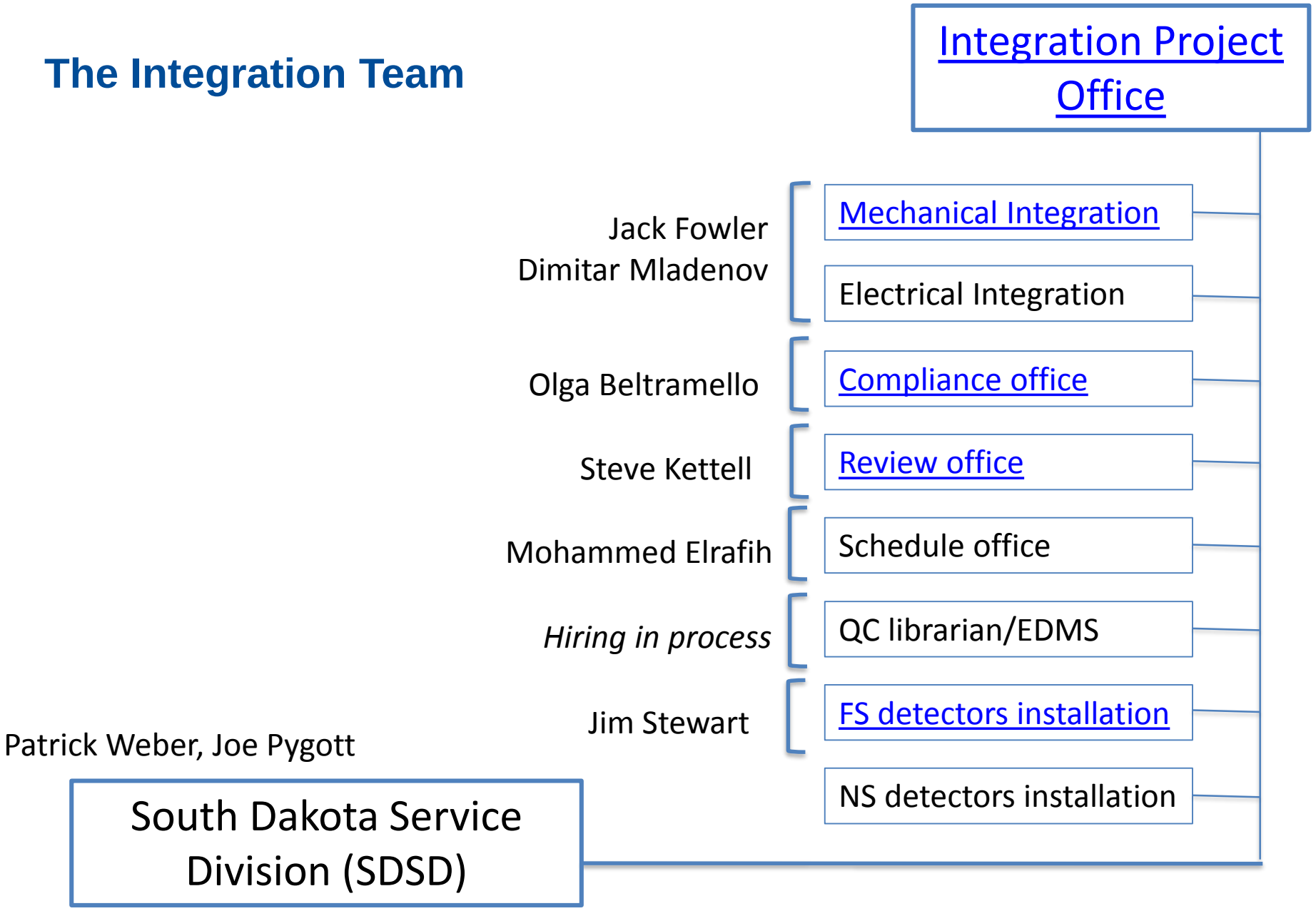
Did we do what we said we'd do?

- Action items are being recorded during this meeting
- Follow-up for priority 1 & 2 action items from August 2019 should be included in presenter talks *(modify now if necessary!)*

The Team


INC
Host Lab
FNAL Director
N. Lockyer
RRB
FNAL Deputy Director
for LBNF/DUNE-US
Project Director
C. Mossey
DUNE Spokespersons
E. Blucher
S. Söldner-Rembold
DUNE
Collaboration
LBNF Project Director
and Manager
C. Mossey/E. McCluskey
Integration Director
and Manager
M. Nessi/J. Macier
DUNE Technical and
Resource Coordinators
E. James/R. Rameika
LBNF
Project Office Staff
Integration Project
Office Staff
Technical
Coord Staff
Conventional Facilities
Cryogenics
Cryostats
Beamline
Facility Support &
Services
FS Installation
NS Installation
DUNE-US Project
Director and Manager
T. Bolton/J. Bishop
Detector
Consortia
CLs & TLs
Non-DOE Detector
Project
Management
Teams
Far Detector
Construction
Near Detector
Construction
International DUNE Detector
Const Project

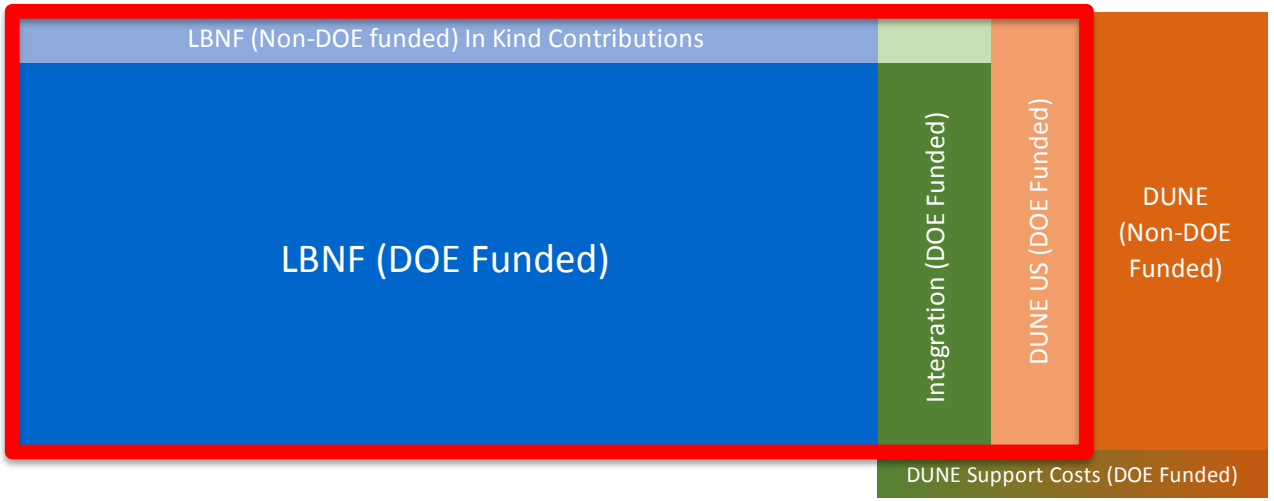
The Integration Team



How we make this happen ($!)

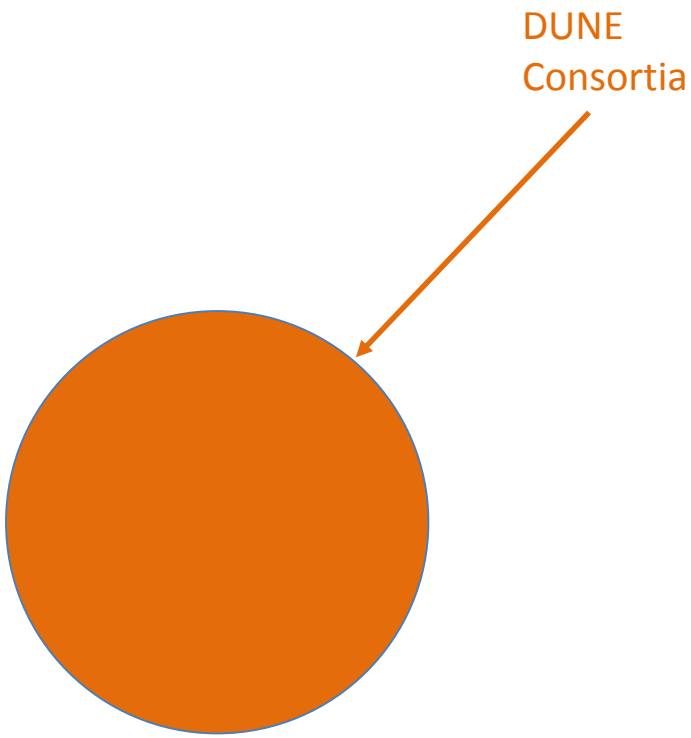
- LBNF/DUNE-US = DOE Project $$
  - Working to define Total Project Cost
  - Plan to baseline in 2020 -> more about this on Tuesday
- In-kind contributions
- DUNE Support funds = DOE, but not project
  - Supports DUNE collaboration activities, including Technical Coordination and Integration Project Office

For this meeting, we will ensure we know *who is doing what*, rather than *who is paying.*
We want to be sure we have no scope gaps!



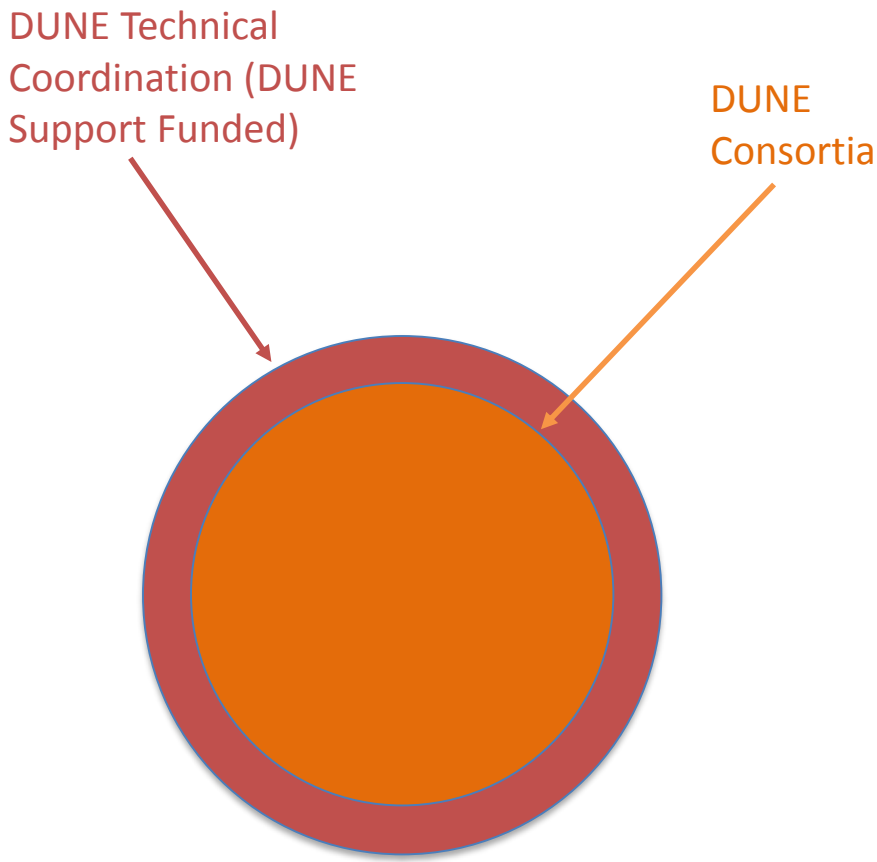
Detector Design and Construction

- Design and fabrication of detector subsystems is organized through the DUNE institutional consortia
- Individual subsystem deliverables are taken on (and become the responsibility of) the national-level detector construction projects
  - Includes some DUNE-US (DOE) project contributions



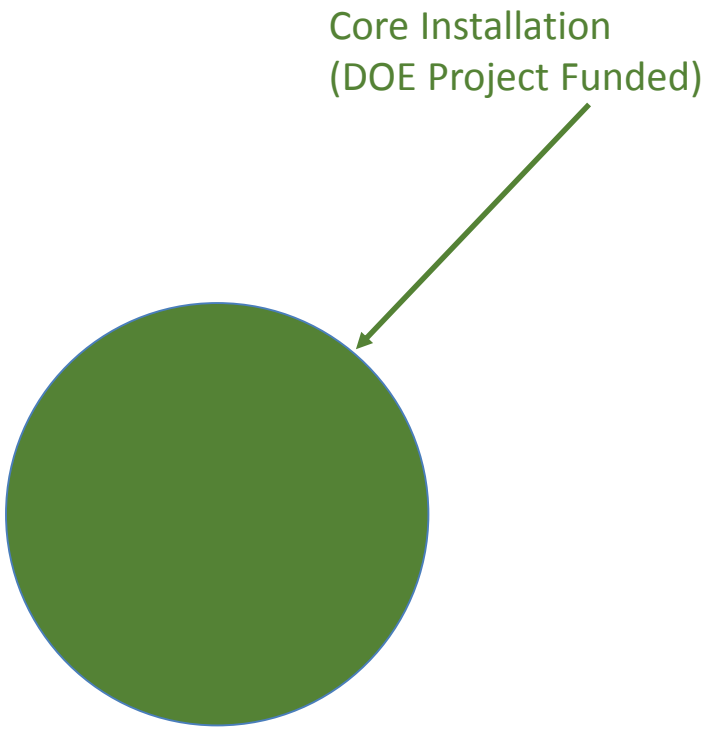
Detector Design and Construction

- DUNE Technical Coordination provides project support and overall coordination
  - Subsystem Interfaces
  - ES&H
  - QA/QC
  - Scheduling
  - Risk Management
  - Change Control
  - Review Oversight



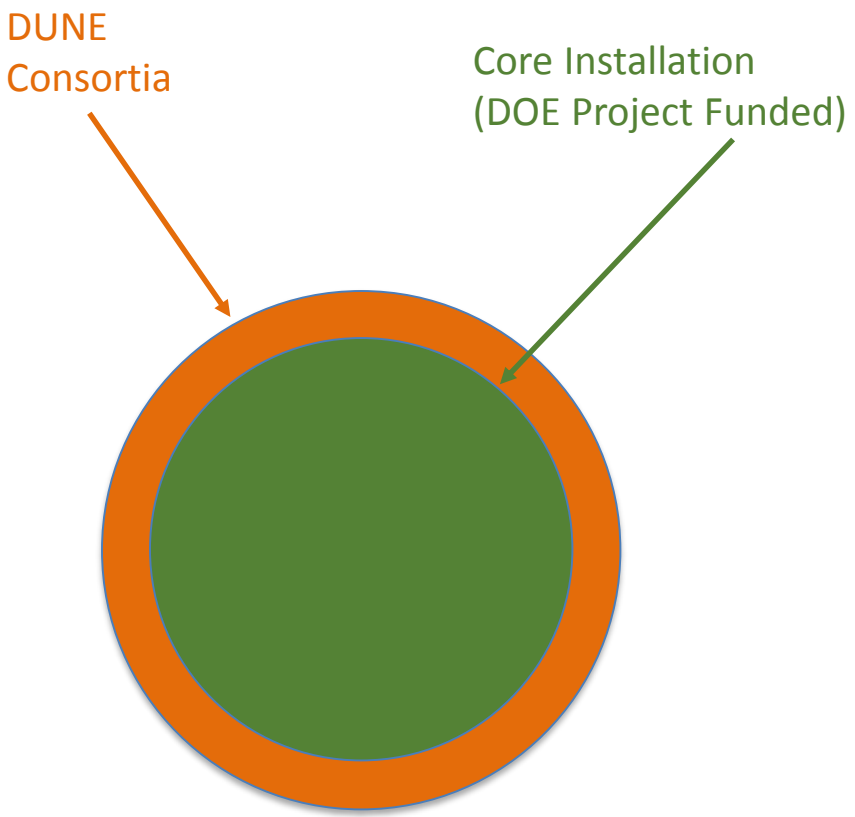
Detector Integration and Installation

- The integration element of the DOE project contains the resources for the core team needed to support the detector installation effort
  - Hoist Operators
  - Transport Crews
  - Riggers
  - General Technicians
  - Safety Coordinators
  - Survey/Alignment Team
- Also provides required M&S resources for common detector infrastructure and installation equipment



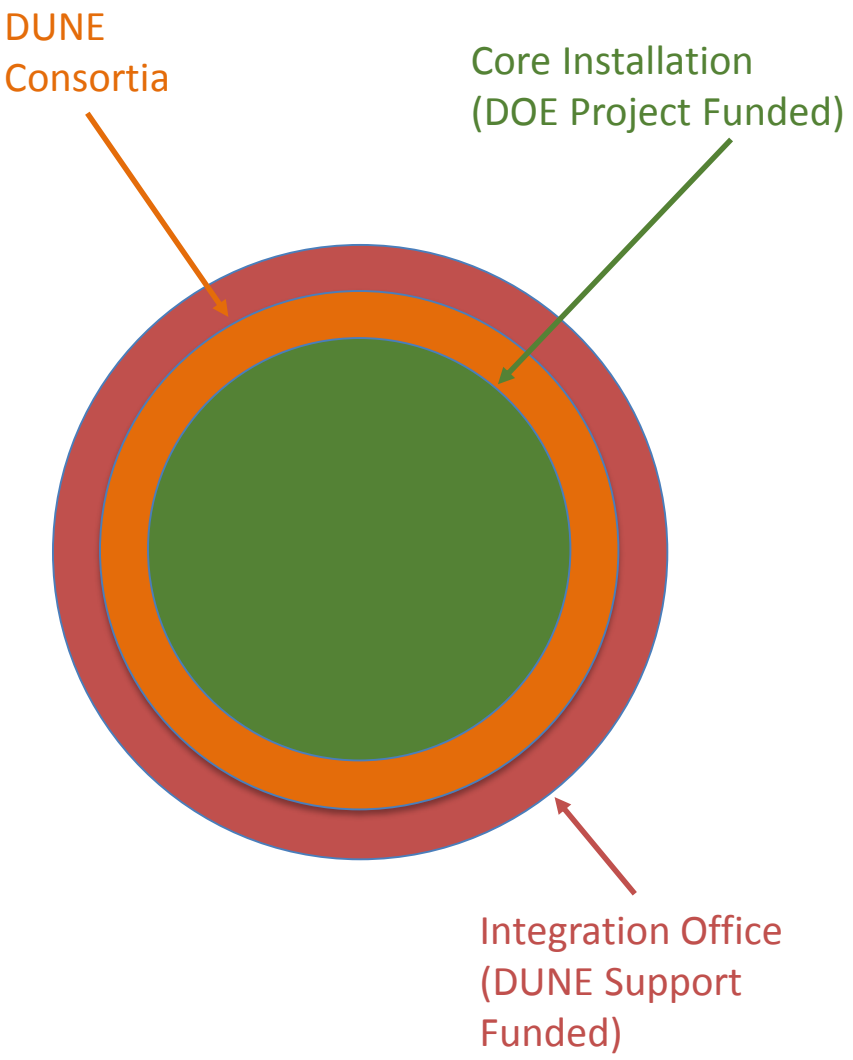
Detector Integration and Integration

- DUNE Consortia provide scientific and technical personnel to support the installation and commissioning of their subsystems
  - Includes some DUNE-US (DOE) project contributions



Detector Integration and Integration

- Integration Office provides overall coordination of the integration and installation effort
  - Integration of the detector elements within the supporting infrastructure and facilities
  - Management of safety compliance process
  - Review organization
  - Detector installation planning
  - Coordination of installation activities



LBNF/DUNE WBS (DUNE Project Office)

131.02 DUNE

131.02.01 Project Office – DUNE

131.02.01.01 DUNE US Project Office

131.02.01.02 DUNE Technical Coordination

131.02.01.03 DUNE Collaboration Management

131.04 Integration

131.04.01 Far Site Integration

131.04.01.01 FS Integration Project Office

131.04.01.01.01 Integration Project Office

131.04.01.01.02 General Operations

131.04.01.02 FS Facility Support & Services

131.04.01.02.01 General Site Support

131.04.01.02.02 Power at SURF

131.04.01.02.03 Warehouse/Transportation

131.04.01.02.04 Support Services

131.04.01.02.05 Ross Shaft Hoisting Services

131.04.01.03 FS Cavern Outfitting

131.04.01.03.01 Design/Procurement

131.04.01.03.03 Cavern #1 Preparation

131.04.01.03.05 Cold Cryostat #1 Installation

131.04.01.03.06 Cavern #2 Preparation

131.04.01.03.08 Cold Cryostat #2 Installation

131.04.01.04 Far Detector Installation

131.04.01.04.01 Design/Procurement

131.04.01.04.02 Clean Room #1 Installation

131.04.01.04.03 Detector #1

131.04.01.04.04 Clean Room #2 Installation

131.04.01.04.05 Detector #2

DOE Project Elements
DUNE Support Fund Elements

News on Tools – helping us get work accomplished

- EDMS to be used for project technical documentation
  - Training resources available; Integration PO hiring a staff resource at Fermilab
- CERN & FNAL IDs – help info in backup to keep them current
- Mailing lists – need updating; see backup

Final Comments

- This is a forum to share information
- Respect others' perspectives – we all come to this enterprise with differing priorities, but a common interest in the best outcome (science!)
- We will table issues that require further analysis or additional input -> action items
- Keep dialogue going, especially now that you know your colleagues better

Backup Information

Maintaining DUNE Listservs

LIST Serv

- Is your list serv up to date?
- We have an extensive amount of list servs. Please make sure your lists are being kept up to date. If you have questions on this issue, please contact maxine@fnal.gov

- Do you need a new list serv?
- You can apply for a new list serv at https://listserv.fnal.gov/
  - You must have a person with a FNAL email address or use your FNAL email address for the request. This person should be the first owner. You are required to have 2nd owner, this does not have to a person with an FNAL email address.
  - If you need assistance, please contact Maxine
  - All DUNE list serv requests must begin with “DUNE-”

Collaboration Tools

- DUNE tools may be found at https://atwork.dunescience.org/tools/
  - If you see a tool missing from this page, please contact Maxine
  - Commonly requested items on this page:
    - Computing account requests
    - DocDB access
    - Wiki access
    - DUNE Collaborator Database access
- For DOE project team, we're updating LBNF, DUNE-US and Integration mailing lists to reflect organization updates

Getting a new CERN User ID

- Information for a “new” ID
  - Information may be found at this link
    - http://usersoffice.web.cern.ch/content/arrival-what-you-need-do
    - You can only apply for a CERN User ID within 30 days of your planned arrival
    - To preregister you will need the following:
      - Home Institution Declaration (signature required of team leader or division head)
      - Registration Form
      - Copy of your passport
      - Preregistration needs to be done by your institution leader/admin.
        - Note – the request can be done for a 3 year term.

Renewing Contracts – CERN Users

- You will receive an email from CERN informing you of your contract expiring.
  - *It's important that you have your CERN email forwarded to your most used email address.*
  - Verify your contract information. The renewal can be done for up to 5 years.
  - A new Home Institution Declaration form will be required. (note on the previous page)
  - Attach the new HID to the online renewal.
  - Submit
    - If this is not done in a timely fashion, your contract will expire.
    - When your contract expires, you will not be able to enter CERN.
    - Your ID card may have longer dates, however you contract is not active. Entry will be denied

Applying for a FNAL computer account

- All needed information is at https://get-connected.fnal.gov/users/
- You will be required to have a contact person at FNAL.
  - Your contact person should be the FNAL person that you will be working with, however DUNE people may also use Maxine as their contact person.
  - Please make sure your training is also done and up to date.

NOTE: We are aware the the ID and account information is difficult. ***Please contact Maxine*** *for additional information and contact information.*