

PH-DT Group Meeting

M.Capeans, A.Catinaccio

13/9/2012

Outline

- **DT Presentation** > MC, AC
 - DT Today: mandate, skills, organization
 - Preparing the future: DT structure
 - Safety
- **New DT Headquarters project** > L.Mapelli
- **Discussion & Coffee**

Introduction

Mar CAPEANS

PH-DT GL

- 44 y old, at CERN since 1992
- **Dr in Physics**
- Generic gas detectors R&D, MPGD, Hera-B OT at DESY, ATLAS TRT, LHC Gas systems, currently leading ATLAS Pixel nSQP project
- EU projects
- PH-DT-DI SL since 2010

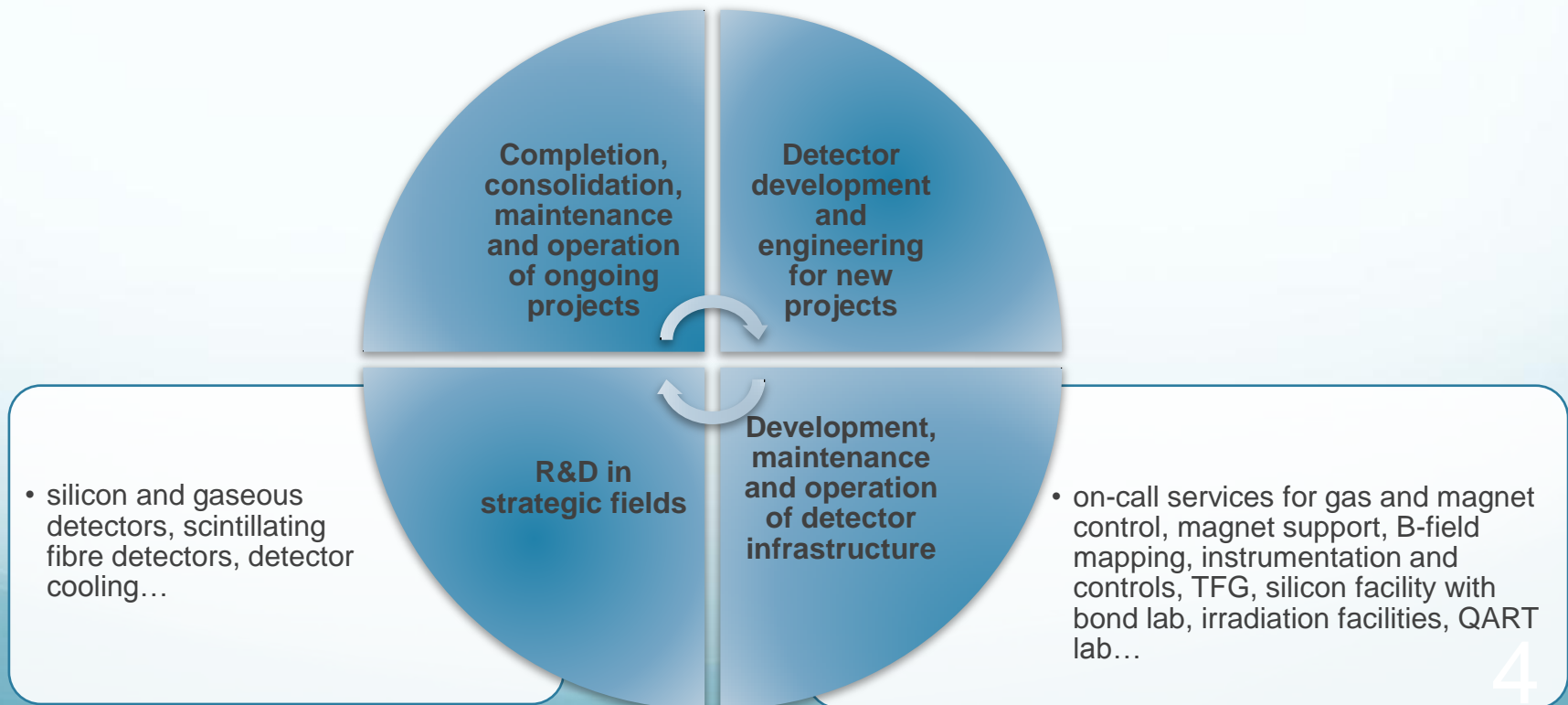
Andrea CATINACCIO

PH-DT DGL

- 47 y old, at CERN since 1994
- **Msc Mechanical Engineering**
- 91-94 TECNOMARE and ESA
- SL of Mech Engineering in TIS
- SL in PH-DT1 and PH-DT
- Project Engineer for ATLAS TRT, currently for ATLAS Inner Detector

Group Mandate

- The **mandate of the PH-DT** group comprises development, construction, operation and maintenance of **particle detectors for the experiments** at CERN. The group also offers a range of **services and infrastructure** for experiments and detector R&D.
- **DT's activities** are concentrated in four areas:

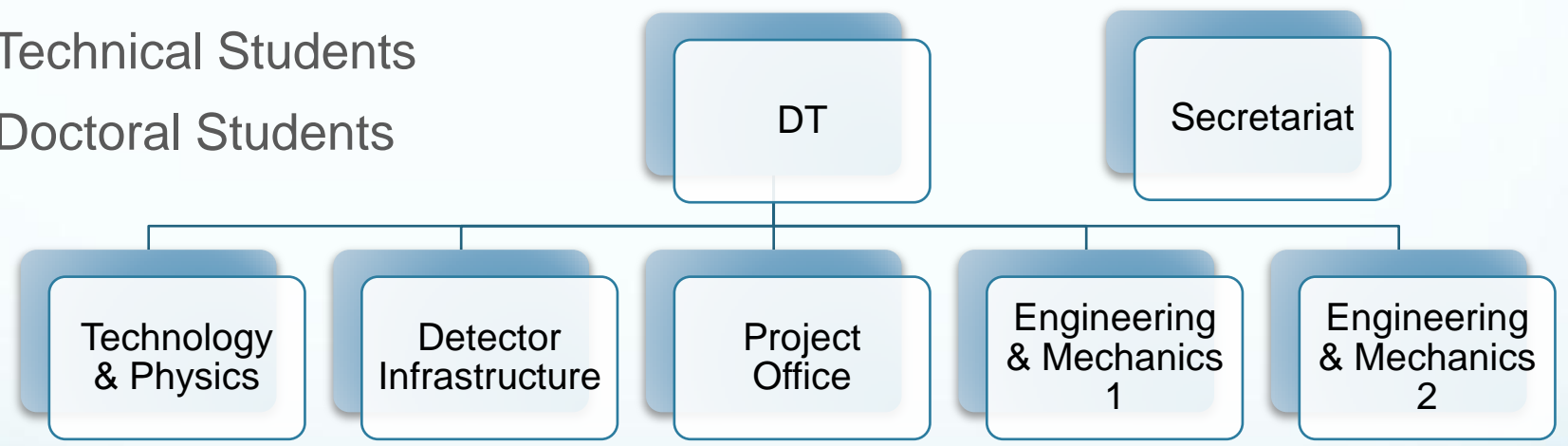


DT Personnel

- 75 Staff members
- FSU of 13 people
- 7 Fellows
- 4 Technical Students
- 5 Doctoral Students

As of Sept'12

*Current Section Structure
MATRIX ORGANIZATION*



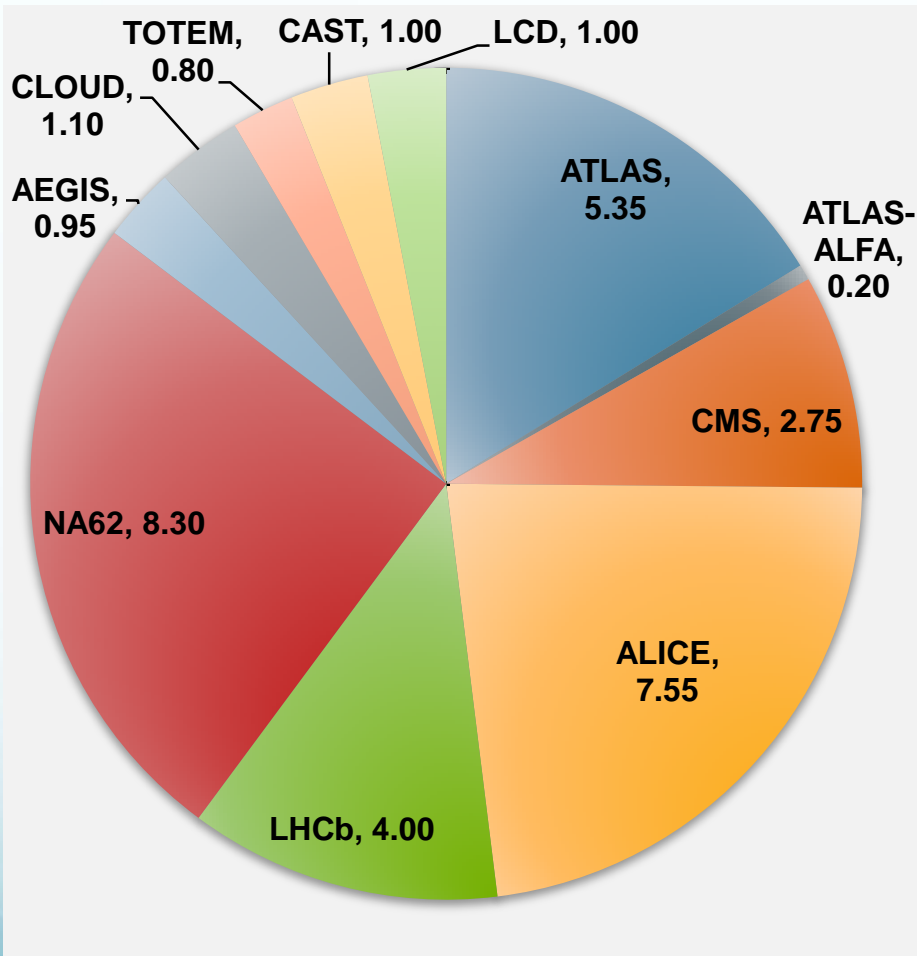
Project 1									
Project 2									
Project n									

Current Use of Resources (only staff)

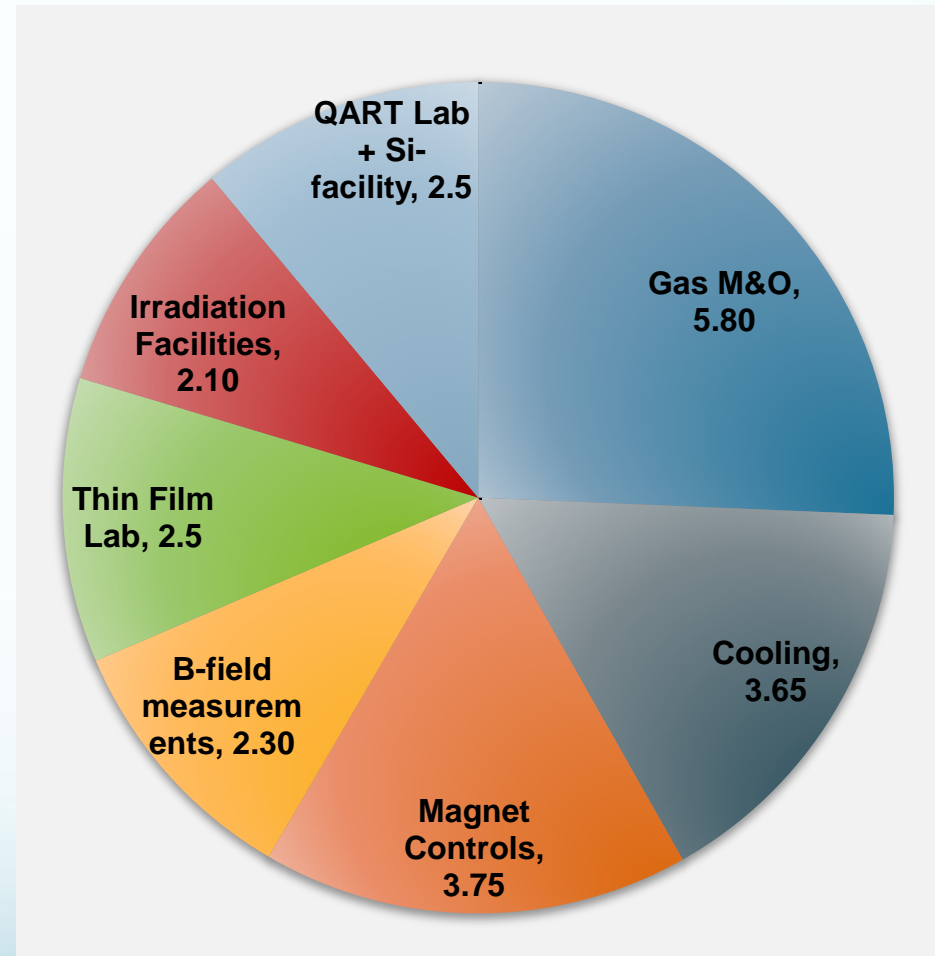
- 45% Projects
- 35% Services (common LHC M&O incl.)
- 5% R&D activities
- Rest is shared between administrative and technical management:

Group management, EU project management, Workshops, Safety, Services within PH such as support to the exhibition, committees, Saved leaves & Detachments...

Resources Breakdown



Approx. nb FTE in **PROJECTS**



Approx. nb FTE in **SERVICES**

Short term

- We would like to provide **continuity** to the current matrix organization,
 - It has been useful in the transition from construction to operation
 - It provides some flexibility to react to experiments' requests
 - Going into the LS1 period, continuity is important

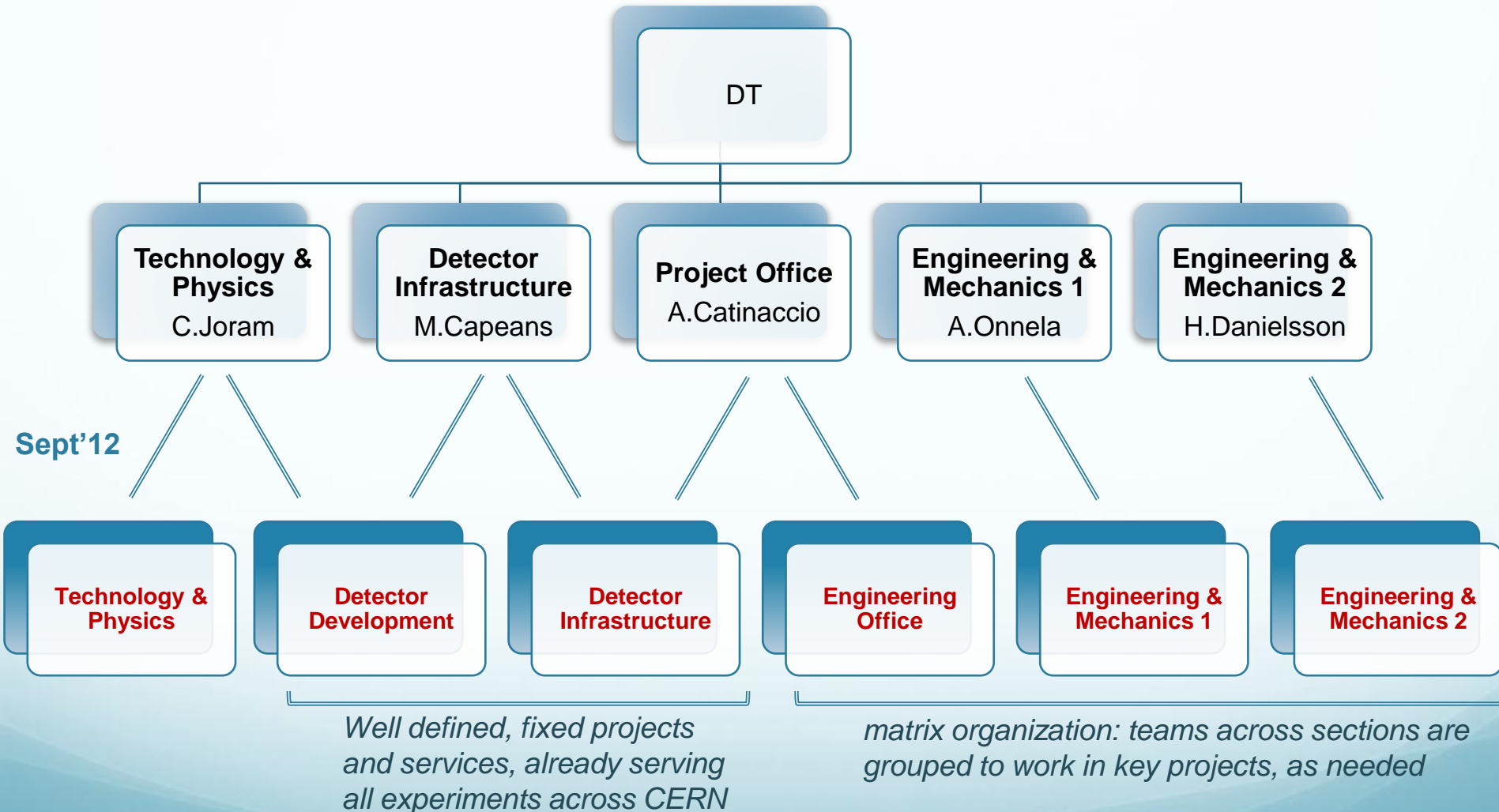
Yet, the structure needs to be **adapted** to the current and future commitments of the group

- Changes should also reflect the management awareness to engineering and technical aspects, and personnel overall
- Tasks and group mandate do not change, although **fine tuning** of tasks and allocated resources is needed

Present > Future

- **Services** (now in DI) work in an internal matrix, and resources are hardly available to other projects
- **Cooling** (now in PO) needs to focus on plant construction and operation, and continue R&D for future detectors and cooling concepts
- The **technical sector** (now mostly in PO, EM1, EM2) needs larger flexibility and coordination to cope with new demands: LHC upgrades, commitments with non-LHC experiments
- Need to boost **detector R&D** for future projects

DT New Group Structure



PH-DT Detector Technology

Group leader: Mar Capeans

Deputy: Andrea Catinaccio

Secretariat: Veronique Wedlake

Engineering Organization of EO, EM 1 & 2 : Andrea CATINACCIO

Safety linkman: Mark HATCH

Detector Infrastructures

(DT-DI)

BERGSMA Felix
BLANC Pascal
BOURGEOIS Nicolas
CAPEANS Mar (SL)
CARRIE Patrick
DAGUIN Jerome
D'AURIA Andrea
DERONT Laurent
DE MENEZES Louis-Philippe
GUIDA Roberto
GODLEWSKI Jan
MAIRE Gilles
MERLET Frederic
OLESEN Gert
PAVIS Steven
PETAGNA Paolo
PONS Xavier
RAVAT Sylvain
TROPEA Paola
WASEM Albin
ZWALINSKI Lukasz

FEIGL Simon (MC-FELL)
KRZEMPEK Lukasz Piotr (TECH)
MANDELLI Beatrice (DOCT)
OSTREGA Maciej (TECH)
SZWARC Tomasz Jakub (TECH)
VERLAAT Bartholemeus (USAS)

Detector Development

(DT-DD)

DAVID Claude
FORTIN Richard G
GLASER Maurice
HONMA Alan
MANOLESCU Florentina
MCGILL Ian
MOLL Michael (SL)
RAVOTTI Federico
ROPELEWSKI Leszek
SCHNEIDER Thomas Hans
VAN STENIS Miranda

NEUGEBAUER Hannes (DOCT)
OLIVERI Eraldo (FELL)

Technology and Physics

(DT-TP)

DAVENPORT Martyn
GYS Thierry
HAHN Ferdinand
HAIDER Stefan
JORAM Christian
KLEMPF Wolfgang
MARTINENGO Paolo
SCHMIDT Burkhard (SL)

CASTILLO GARCIA Lucia (DOCT)
GABRYSCH Markus (FELL)
HELLER Matthieu (MCFELL)
ORTEGA RUIZ Inaki (USAS)
PALUCH Robert Michal (TECH)
SOLEVI Paola (UPAS)
VAFEIADIS Theodoros (FELL)

Engineering Office

(DT-EO)

BAULT Christophe Daniel
CATINACCIO Andrea (SL)
DAVID Eric (ret.)
DEGRANGE Jordan
GARGIULO Corrado
HATCH Mark
JAMET Olivier
LENOIR Philippe
WERTELAERS Piet

BERRUTI Gaia (DOCT)
MAODDI Pietro (DOCT)
MAPELLI Alessandro (FELL)
NUIRY Francois-Xavier (FEL)
ROMAGNOLI Giulia (UPAS)

Engineering & Mechanics 1

(DT-EM1)

ANSTETT Didier Henri
BOUVIER Philippe Jacques
CANTIN Bernard
DENARIE Charles-Henri
DUMPS Raphael (DSL)
IJZERMANS Pieter
KOTTELAT Luc-Joseph
KRISTIC Robert
LESENECHAL Yannick
LOOS Robert
ONNELA Antti (SL)
PIEDIGROSSI Didier
VAN BEELEN Jacob Bastiaan

Engineering & Mechanics 2

(DT-EM2)

BENDOTTI Jerome
BODE Alain
BRUNEL Bernard
CHARRA Patrick
DANIELSSON Hans (SL)
DIXON Neil David
GARNIER Francois
G. M. DE OLIVEIRA Antonio
GIUDICI Pierre Ange (DSL)
NOEL Jerome
PEREZ GOMEZ Francisco
VERGAIN Maurice

SERGI Antonino (FELL)
FOLLEY Adrian

Roles & Functions

Group Leader (75% FTE) M.Capeans

Overall coordination of group activities and admin tasks (Mars, budgets, personnel, space)

Interfaces formally to PH and other departments

Coordinates physics/detector development resources and projects and services

Organizes regular management meetings and group meetings

Deputy Group Leader (50% FTE) A.Catinaccio

Coordinates the engineering and technical teams and activities, including the responsibility for the Mars exercise and budgets of relevant sections

Overall responsibility for safety (supported by DT safety linkman) and for DT mechanical workshops

Supports and replaces GL when needed

Section Leaders (20% FTE)

SL manages personnel workload: supports and motivates personnel, proposes and follows training, launches MARS.

Follows the technical activities/projects in the section and reports on those activities in the Group Management meetings

Technology and Physics (DT-TP)

Burkhard SCHMIDT

JORAM Christian
GYS Thierry
HAHN Ferdinand
DAVENPORT Martyn
HAIDER Stefan
KLEMPPT Wolfgang
MARTINENGO Paolo

GABRYSCH Markus
VAFEIADIS Theodoros (1.7)
PALUCH Robert Michal (1.7)
CASTILLO GARCIA Lucia (1.9)
HELLER Matthieu

Detector Development (DT-DD)

Michael MOLL

Si Detectors

HONMA Alan
MCGILL Ian
MANOLESCU Florentina

Gas Detectors

ROPELEWSKI Leszek

TGF

SCHNEIDER Thomas Hans
VAN STENIS Miranda
DAVID Claude

Irrad. Facilities

RAVOTTI Federico
GLASER Maurice
FORTIN Richard G

OLIVERI Eraldo
NEUGEBAUER Hannes (1.7)

Detector Infrastructure (DT-DI)

Mar CAPEANS

Measurements and Controls

OLESEN Gert
BLANC Pascal
BOURGEOIS Nicolas
DERONT Laurent
PONS Xavier
BERGSMA Felix
RAVAT Sylvain
MAIRE Gilles

Gas

GUIDA Roberto
D'AURIA Andrea
DE MENEZES Louis-Philippe
CARRIE Patrick
MERLET Frederic
WASEM Albin
PAVIS Steven

Cooling

PETAGNA Paolo
TROPEA Paola
GODLEWSKI Jan
DAGUIN Jerome (1.9)
ZWALINSKI Lukasz (1.10)

DT FSU

A.Kerhli, M.Carrichon, J.Dumollard,
G.Lacroix, B.Marichy, A.Laassiri,
G.Crepet, H.Sabba, H.Martinati

MANDELLI Beatrice
OSTREGA Maciej
SZWARC vTomasz Jakub (1.8)
KRZEMPEK Lukasz Piotr (1.7)
FEIGL Simon (3.9)

PH-DT Detector Technology

Group leader: Mar Capeans

Deputy: Andrea Catinaccio

Secretariat: Veronique Wedlake

Coordination of engineering and technical teams activities

Engineering Organization of EO, EM 1 & 2 : Andrea CATINACCIO

Safety linkman: Mark HATCH

Engineering Office (DT-EO)

Andrea CATINACCIO

BAULT Christophe Daniel
 DAVID Eric (ret.)
 DEGRANGE Jordan
 GARGIULO Corrado
 HATCH Mark
 JAMET Olivier
 LENOIR Philippe
 WERTELAERS Piet

BERRUTI Gaia (DOCT)
 MAODDI Pietro (DOCT)
 MAPELLI Alessandro (FELL)
 NUIRY Francois-Xavier (FEL)
 ROMAGNOLI Giulia (UPAS)

Engineering & Mechanics 1 (DT-EM1)

Antti ONNELA/
deputy Raphael DUMPS

KOTTELAT Luc-Joseph
 KRISTIC Robert
 LOOS Robert
 CANTIN Bernard
 PIEDIGROSSI Didier
 ANSTETT Didier Henri
 BOUVIER Philippe Jacques
 DENARIE Charles-Henri
 IJZERMANS Pieter
 LESENECHAL Yannick
 VAN BEELEN Jacob Bastiaan

Engineering & Mechanics 2 (DT-EM2)

Hans DANIELSSON/
deputy Pierre-Ange GIUDICI

BENDOTTI Jerome
 DIXON Neil David
 PEREZ GOMEZ Francisco
 G. M. DE OLIVEIRA Antonio
 NOEL Jerome
 VERGAIN Maurice
 GARNIER Francois
 BODE Alain
 BRUNEL Bernard
 CHARRA Patrick
 SERGI Antonino (FELL)
 FOLLEY Adrian

Resource type	Nb
Staff	33
Staff (detach. ret.)	2
Fellows	3
Doctoral Student	2
UPAS	1
Total:	41

Staff profile	Nb
technicians	29
engineers	5
physicists	1

Changes in the PO to EO section

Some members move from EO to DI (cooling) for synergies with the gas team

Some others, related to “on detector” developments (μ -channel, μ -fabrication, fibers...) remain in EO, with strong cross links with DI/Cooling:

PH/DT Cooling Project remains a cross-section project

Engineering Office (DT-EO) CATINACCIO Andrea

BAULT Christophe Daniel
 DAVID Eric (ret.)
 DEGRANGE Jordan (Staff 1.08)
 GARGIULO Corrado
 HATCH Mark
 JAMET Olivier
 LENOIR Philippe
 WERTELAERS Piet
 BERRUTI Gaia (DOCT)
 MAODDI Pietro (DOCT)
 MAPELLI Alessandro (FELL)
 NUIRY Francois-Xavier (FELL)
 ROMAGNOLI Giulia (UPAS)



DI/Cooling team PETAGNA Paolo

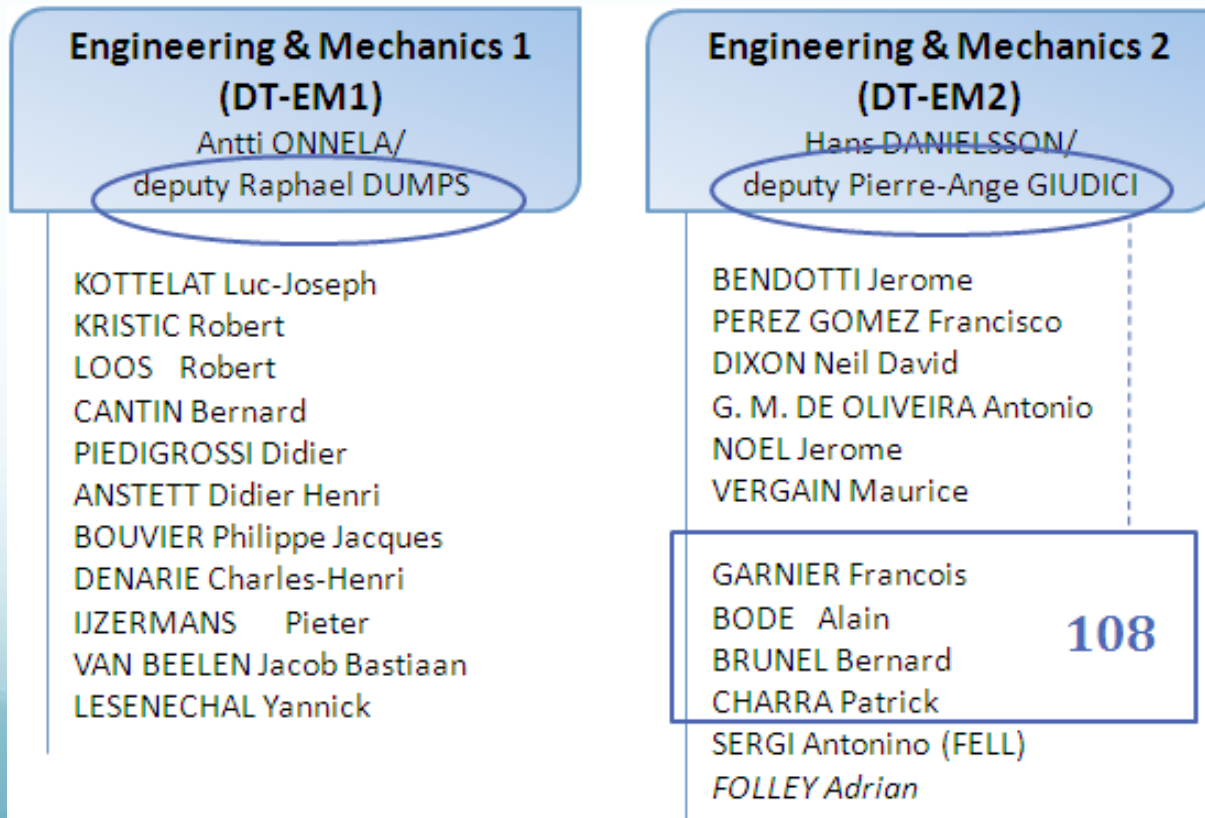
GODLEWSKI Jan
 DAGUIN Jerome (Staff 1.09)
 TROPEA Paola
 ZWALINSKI Lukasz K. (Staff 1.10)
 KRZEMPEK Lukasz Piotr TECH
 OSTREGA Maciej TECH
 SZWARC Tomasz Jakub TECH
 VERLAAT Bartholomeus USAS

Changes in EM1 and EM2

Would like to thank:

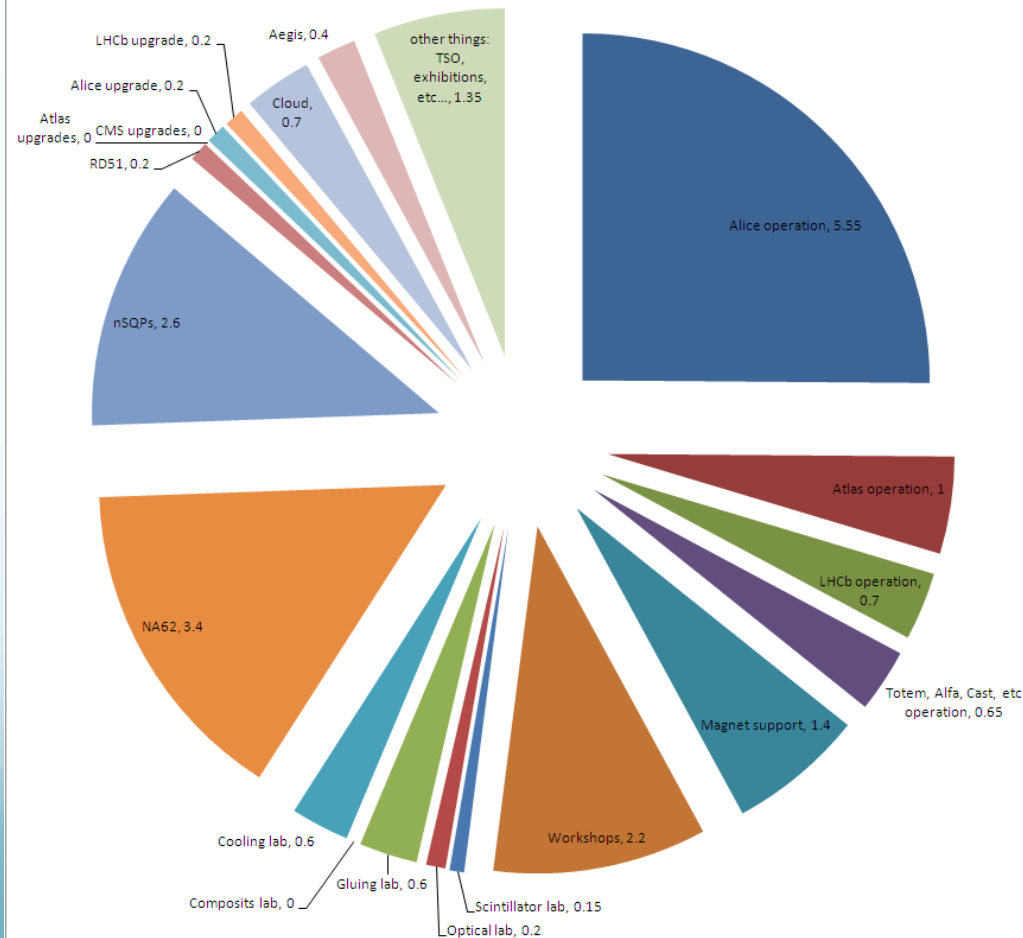
SL's (Antti and Hans) to continue their mandate despite the heavy project workload

The new **Deputy SL's** (Raphael and Pierre-Ange) for having accepted key responsibilities in their local supervisory role (help the SL's to follow up closely technical & manpower issues in the part of sections)



EM1 and EM2: large variety of activities

Allocation of technicians from EM1 and EM2 by activity (23 FTE)



This graph is not fully up-to-date but shows well the fragmentation of activities (leaves little margin of flexibility) requiring good coordination

Engineering & Mechanics 1 (DT-EM1)

Antti ONNELA/
deputy Raphael DUMPS

KOTTELAT Luc-Joseph
KRISTIC Robert
LOOS Robert
CANTIN Bernard
PIEDIGROSSI Didier

ANSTETT Didier Henri
BOUVIER Philippe Jacques
DENARIE Charles-Henri
IJZERMANS Pieter
VAN BEELEN Jacob Bastiaan
LESENECHAL Yannick

Engineering & Mechanics 2 (DT-EM2)

Hans DANIELSSON/
deputy Pierre-Ange GIUDICI

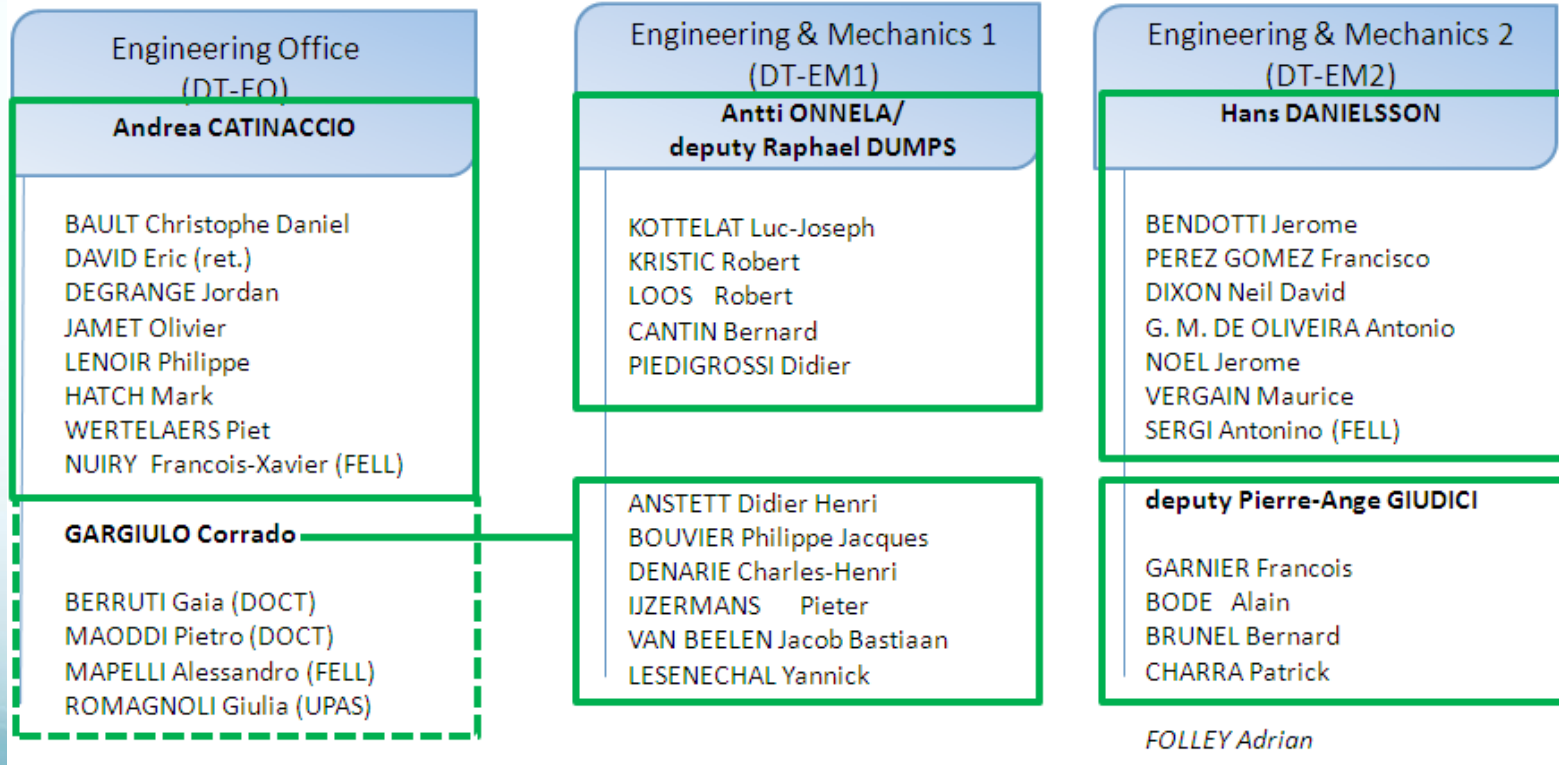
BENDOTTI Jerome
PEREZ GOMEZ Francisco
DIXON Neil David
G. M. DE OLIVEIRA Antonio
NOEL Jerome
VERGAIN Maurice

GARNIER Francois
BODE Alain
BRUNEL Bernard
CHARRA Patrick

SERGI Antonino (FELL)
FOLLEY Adrian

How the technical efforts will be managed through one DT centralized technical meeting:

- Technical and coordination meetings (monthly DT technical meeting)
- People involved are the natural activity coordinators



DT Technical Meetings

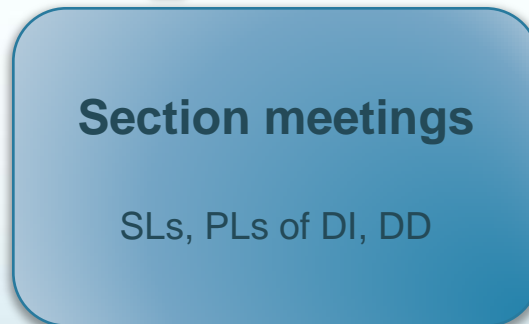
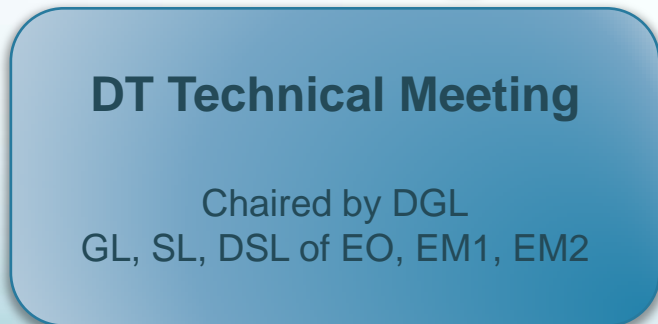
Frequency	Monthly
Invited (fixed)	Mar, Andrea, Christophe, Antti, Raphael D., Hans, Pierre-Ange, Corrado, Mark
invited (ad hoc)	workshop supervisors - TBD: one or two activity reviews
Topics	<p>Technical issues, workshops matters, safety and investments, workload and resource allocation envelope, room for new projects and temporary requests, DOP (Design Office Planning), training, fairs and exhibitions, AOB</p> <p>Second part: review 1 (or 2) activity status</p>
Scope	<p>information flow, regular follow up of technical matters and workload, discuss & assign priorities, distribute tasks, collect direct feedback.</p> <p>Provide a picture of current/future availability 1-6 months to DTCM, collects "strategic" request from DTCM (and possibly assess feasibility, deadline/resource availability).</p>

NB: group and PH info and matters not discussed here but via section meetings

Overall Meeting Framework



1. Inform, reach "best common" strategic decisions, by collecting requests and setting priorities, collect feedback
2. Project Oriented Meeting



Inform, regular follow up of workload, technical matters, discuss & assign priorities, distribute tasks, collect feedback

Wide Audience Meetings

Seasonal Group meetings

Focus: INFORMATION

- CERN, PH and DT news
- Presentations on DT and CERN wide topics and projects

DT Seminars

Focus: TRAINING

- Projects
- Services
- Specific Technical Training

Long-term View

Restructuration of the Matrix in Sections based on key competencies

A competency-based structure - will reinforce the roles and capacity of the personnel and will avoid excessive and diverse fragmentation of resources. It should be able to respond to the dynamic nature of the external environment and of DT's own internal needs

Fluids Technology	Instrumentation & Controls	Detector Development	Detector Integration	Engineering and mechanics
Gas Cooling	MCP Control systems Sensors and Instrumentation	Si-detectors (Bond-lab,QART) Gas detectors Irradiation Facilities	Calculations Studies & Design Parts Fabrication and procurement Detector Integration	Mechanics Magnets Specialized Labs Workshops Gluing, Composites TFG

Projects working thru the sections in matrix form ----->

Preparatory Work (for the long term)

- **Management**

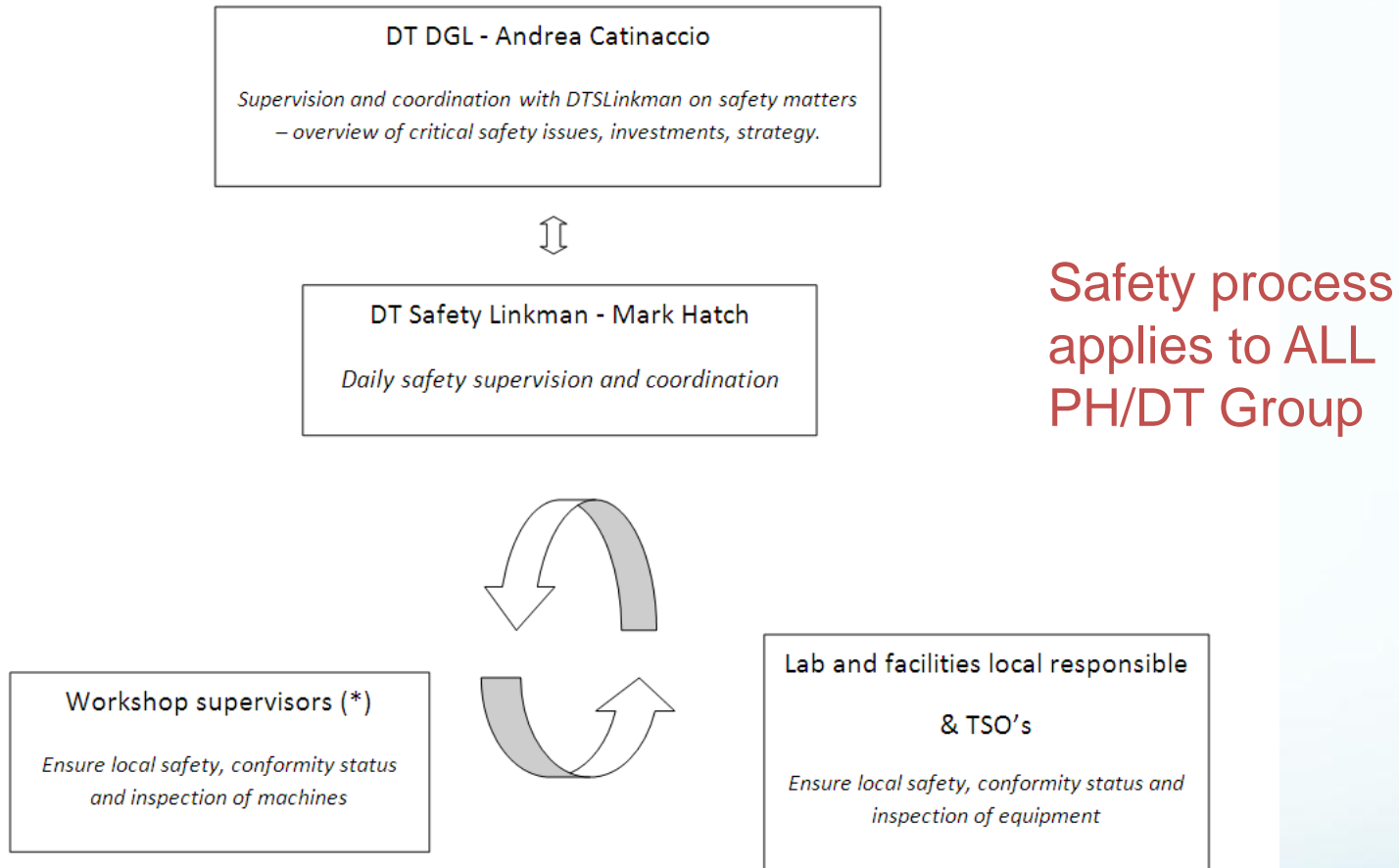
1. Increase coordination. Use management and coordination Meetings as dynamic forums to discuss projects, resources and priorities in first place
2. Assign technical supervisory roles to some key technicians and establish a DT Safety Linkman, DT Technical Editor...

- **Projects and services**

1. Prepare group for 2013/14 shutdown
2. Review current projects & services and assigned resources (*for less fragmentation*)
3. New detector projects: select 3-4 strategic projects, partnering with CERN groups

- **Adjust the group structure** (towards end LS1)

PH/DT Group – A word on Safety



SAPOCO/42, It's basic message is:

✓ Each of us is responsible for safety in our work;

PH Department – DSO & DT/TSO's



PH-DT Home | PH-DT old website | Contact us | PH Home | CERN Home

Search

Home | Organization | Activities | Meetings | Documents | Safety | Other Links

- Buildings & DT TSO
- Safety at CERN
- PH Safety Information
- Clothing Safety Equipment

Buildings & DT Safety Officers

Person in charge of group safety matter: [Mark Hatch](#) (Tel. 72631 / 164214)

BAT	Type	TSO	Tel.
3	OFFICES / LABORATORIES	Claude DAVID	163412
13	OFFICES / LABORATORIES	Maurice GLASER	72058
16	OFFICES / LABORATORIES	Ch.Henri DENARIE	160704
17	OFFICES / WORKSHOP	Ch.Henri DENARIE	160704
20/21	OFFICES / LABORATORIES	Robert KRISTIC	78499
25	OFFICES / LABORATORIES	Luc-Joseph KOTTELAT	163370
27	OFFICES / LABORATORIES	Maurice GLASER	72058
48	CORRIDOR	François GARNIER	162968
51	OFFICES / LABORATORIES	Claude DAVID	163412
70	OFFICES / LABORATORIES	Luc-Joseph KOTTELAT	163370
108	MECHANICAL WORKSHOP	François GARNIER	162968
153	ASSEMBLY HALL		
154	OFFICES / LABORATORIES	Neil DIXON	163451
155	GAS WORKSHOP	Albin WASEM	160943
160	OFFICES / LABORATORIES	Hans TAUREG	160359
161	OFFICES / LABORATORIES	Hans TAUREG	160359
162	WORKSHOP/STORAGE	Bernard CANTIN	160511
164	MECHANICAL WORKSHOP	François GARNIER	162968
166	MECHANICAL WORKSHOP	Luc-Joseph KOTTELAT	163370

167	ASSEMBLY HALL	Yannick LESENECHAL	163349
168	ASSEMBLY HALL / ELECTRICAL WORKSHOP	Robert KRISTIC	78499
173	ASSEMBLY HALL		
182	MECHANICAL WORKSHOP / OFFICES / EXPERIMENTAL AREA	Bernard CHADAJ	160930
187	ASSEMBLY HALL / SCINTILLATOR WORKSHOP	Luc-Joseph KOTTELAT	163370
190	GIF HALL	Richard FORTIN	163726
256	GAS LABORATORIES	Albin WASEM	160943
300	SYNCHRO CYCLOTRON	Hans TAUREG	160359
301	OFFICES / LABORATORIES	Hans TAUREG	160359
304	OFFICES / LABORATORIES / STUDENTS WORKSHOP	Bernard CHADAJ	160930
581	OFFICES / LABORATORIES / ASSEMBLY ROOMS / MECHANICAL WORKSHOP	Jacob VAN BEELEN	164665
587	OFFICES / LABORATORIES	Hans TAUREG	160359
610	PH STORAGE	Jacques ROUX	160474
2175	ATLAS PIT ASSEMBLY HALL	Neil DIXON	163451
2252		Pieter IJZERMANS	164168
6300		Antonio GONCALVES	163947
6329			
6331			
6342			
6348			
6352			
6353			
6358			
6359			
6389			
6447			
6513			
6546		Pieter IJZERMANS	164168
6574			

6312	CONSTRUCTION SHELTERS	Richard FORTIN	163726
6318			
6335			
6340			
6541			
6548			
6578			

TSO's
Territorial safety officers:

- Act on annual inspection reports from HSE
- Contact with Fire service
- Link to DSO

<http://ph-dep-dt.web.cern.ch/ph-dep-dt/Safety/DTSafetyOfficers.html>

- Safety of personnel in workshops

Bdg	Workshop Supervisor	Comment
3	M. Van Stenis	Specialized in glass and ceramic machining. CNC milling machine
20/21	R. Dumps	Small workshop, conventional tools
25	J. Bendotti	Mechanical workshop
108	P. Charra	Workshop supports also ATLAS Point 1 activities. Inventory of tools
155	A. Wasem	Gas System Workshop
162	B. Cantin	Large workshop, conventional tools
164	P. Charra	Mechanical Workshop
166	J. Bendotti	Conventional and CNC machines
168	R. Kristic	Assembly Hall/Electrical workshop
187	R. Dumps	Specialized in scintillator machining
581	J. Van Beelen	Mechanical workshop
2252	D. Anstett	Mainly support for ALICE activities at Point 2

12 Workshops !!!

Authorized by the Workshop Supervisor are allowed to work in workshops must follow the rules given in the **CERN Handbook on basic safety rules for workshops** ([English](#))

call **74444** for the Fire Brigade NOT 112 as

[Safety Equipment for Workshops](#) are mandatory.

Mechanical workshops to support our various activities. Workshop space for prototypes and small series productions in mechanics.

Online tool inventory in MTF.

[Alignment machines](#) (CMM) to perform alignment,

PH-DT mechanical workshops is with [A. Catinaccio](#) for safety.

Supervisor	Comment
	Specialized in glass and ceramic machining. CNC milling machine
	Small workshop, conventional tools
	Mechanical workshop
	Workshop supports also ATLAS Point 1 activities. Inventory of tools
	Gas System Workshop
	Large workshop, conventional tools
	Mechanical Workshop
	Conventional and CNC machines
	Assembly Hall/Electrical workshop
	Specialized in scintillator machining
	Mechanical workshop
	Mainly support for ALICE activities at Point 2

<http://ph-dep-dt.web.cern.ch/ph-dep-dt/Activities/Workshops.html>

DG & HSE Message

Objectif securite machine outils



Archives | Contact | S'abonner ! | Association du personnel | Accueil CERN

recherche english français

Le Bulletin

Numéro 18-19/2012 - Lundi 30 avril 2012
Version imprimable

Actualités | Communications officielles | Training | Annoncements | Events | Staff Association

- Le PS Booster fête ses 40 ans
- Priorité à la sécurité**
- Dernières nouvelles du LHC : objectif d'intensité atteint
- Entre de bonnes mains
- À propos d'Internet...
- Horizon 2020 en vue
- Beaucoup de bruit pour... rien - l'exploration du vide au LHC
- Le CERN plus proche des organisations internationales du centre de Genève
- L'Inde rejoint la collaboration ISOLDE
- Plein (gyro)phare sur la nouvelle ambulance des pompiers !
- Pédalez en toute sécurité !
- Évitez les fuites de courrier
- Pris ! Les Macs ont perdu leur innocence
- Le coin de l'Ombuds : l'empathie
- Le billet de la bibliothèque : une dizaine de prestigieux physiciens du CERN contribuent à un numéro spécial de EPJ H
- L'année 2012 est déjà riche en temps forts pour le Conseil d'administration de la Caisse de pensions

Priorité à la sécurité

La sécurité est une priorité pour le CERN. Je l'ai déclaré dans mon allocution de début d'année et je l'ai réaffirmé à l'une des premières réunions de 2012 du Directoire élargi, lorsque j'ai présenté les cinq grands objectifs de sécurité pour l'année, qui ont été élaborés et mis en œuvre selon les normes internationales applicables.



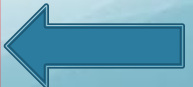
Le mot du DG

L'été approche et le moment me semble venu de faire le point. L'objectif numéro un pour 2012, qui est primordial, est de limiter le nombre d'accidents professionnels.

Cela exige d'examiner la situation et de prendre les mesures nécessaires chaque fois qu'un incident entraîne un arrêt de travail, de même qu'à la suite de toute chute, tout trébuchement et toute glissade, les accidents les plus fréquents sur le lieu de travail. L'indicateur de performance que nous nous sommes fixé est le pourcentage d'enquêtes et d'activités de suivi menées à bien. D'une année à l'autre, ces taux augmentent, mais nous ne pouvons nous permettre aucune complaisance : nous devons viser et maintenir un suivi de 100 %.

Le deuxième objectif est d'améliorer la maîtrise des risques, en nous concentrant en 2012 sur les risques chimiques. Le troisième objectif est la sécurité des équipements et, plus particulièrement cette année, des machines-outils. Enfin, les deux derniers objectifs sont liés à l'environnement : limiter notre impact sur l'environnement et nous conformer aux meilleures pratiques en matière de sécurité et de radioprotection.

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PH/DT – Safety and Conformity of machines

Road Map

Note, for the CERN site, from HSE presentation

- ~1900 machine-tools on the CERN site recorded in InforEAM today
- 31 machine-tools compliant out of 214 machine-tools inspected in 2011

For the PH-DT workshops : 3, 20, 21, 25, 108, 155, 162, 164, 166

- ~of machines inspected 24 are in compliance (124 not) > JP.Jullien (HSE)





Workshop 166 taken as pilot project: work on conformity is advancing, in collaboration with HSE and MME

- Corrective measures to be made to non-conform machines (14 out of 21, mostly for protection and electrical matters)
- Not easy, firms difficult to find, slow response, expensive ...takes time
- Corrective measures - Safety files - Hazard posters on machines – PPE equipment to be available
- TRAKA system installed
- Training/Demonstration and Authorization to of all users by the workshop supervisors
- “Culture” MUST change....may not be easy



Next step: Workshop 108 and the other DT workshops



DANGERS ASSOCIES A L'EQUIPEMENT	PREVENTIVE MEASURES
<p>Au cours des ajustements motorisés x, y, z regarder la machine à tout moment et intervenir si nécessaire.</p> <p>During motorised adjustments x, y, z watch the machine at all times and intervene if necessary.</p>	<p>Gardez vos mains loin de la tête rotative. Veillez à ce que la vice est fermement serré AVANT la mise sous tension. Utilisez des écrans de protection lorsqu'ils sont disponibles. Porter des lunettes de protection.</p> <p>Keep your hands away from the rotating head. Ensure that the vice is firmly clamped BEFORE switching on. Use protective screens when available. Wear eye protection.</p>
<p>Les dommages à vos doigts si vous les utilisez pour enlever les copeaux de la fin de la pièce.</p> <p>Damage to your fingers if you use them to remove the swarf from the end of the piece.</p>	<p>Utilisez le crochet fourni pour enlever les copeaux. Use the hook provided to remove swarf.</p>
<p>Le bruit intense, si l'air comprimé est utilisé.</p> <p>Loud noise if compressed air is used.</p>	<p>Utilisez des protections auditives si vous utilisez l'air comprimé. Use hearing protection if you use compressed air.</p>



EQUIPEMENT DE PROTECTION INDIVIDUEL (EPI)

 Equipement de protection des yeux
 Hearing protection
 Safety shoes
 Safety glasses

INSTRUCTIONS D'URGENCE EN CAS D'ACCIDENT

 ARRÊT D'URGENCE
 BOUTON D'ARRÊT D'URGENCE

 ARRÊT D'URGENCE
 BOUTON D'ARRÊT D'URGENCE

 ARRÊT D'URGENCE
 BOUTON D'ARRÊT D'URGENCE



- The changes presented are **minor adjustments** to the existing sections' structure – needed by the natural evolution of activities and commitments of the group
- We will study how to gradually move towards a **competency-based sections** structure in the next months. Your help is needed. Implementation whenever the activities/teams are ready
- **We look forward with enthusiasm and interest in working all together and we wait for your comments and suggestions**

Mar



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B166 - R - 14

Andrea



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