

UK NEQAS (H)

Ian Mellors

Chairman UK NEQAS (H) GSAG

UK NEQAS (H) Scheme Registration

October 2015

Scheme	FBC	ADLC	Retics	Hb only	Plasma Viscosity
<i>Surveys / Annum</i>	12	6	6	12	12
UK	686	643	281	109	45
Non-UK	373	283	171	24	5
Total	1059	926	452	133	50

UK NEQAS (H) Registration-Instruments

October 2015

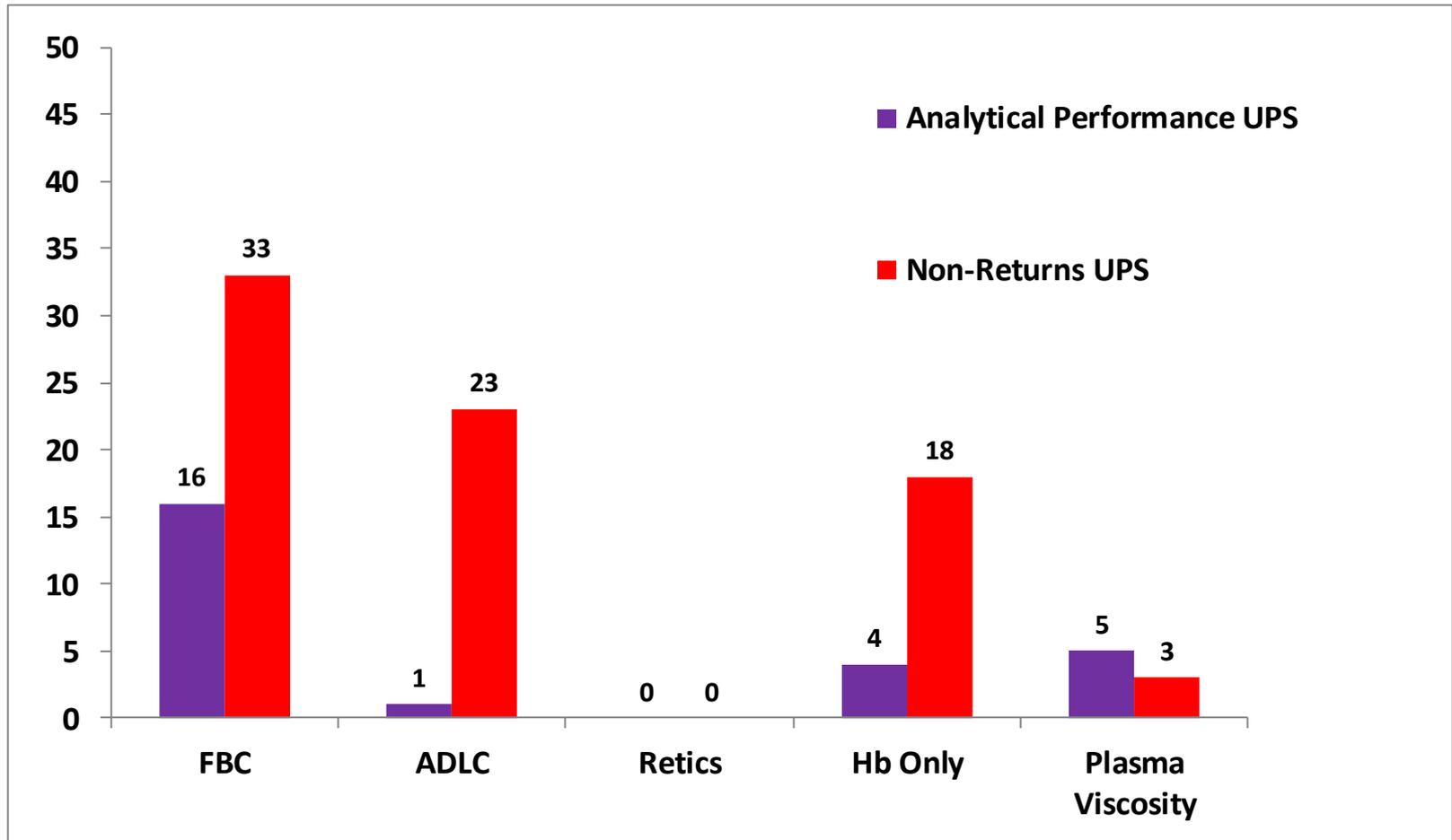
Scheme	FBC	ADLC	Retics	Hb only	Plasma Viscosity
UK	1345	1261	588	303	49
Non-UK	811	632	350	84	5
Total	2156	1893	938	387	54

Returns and Reports

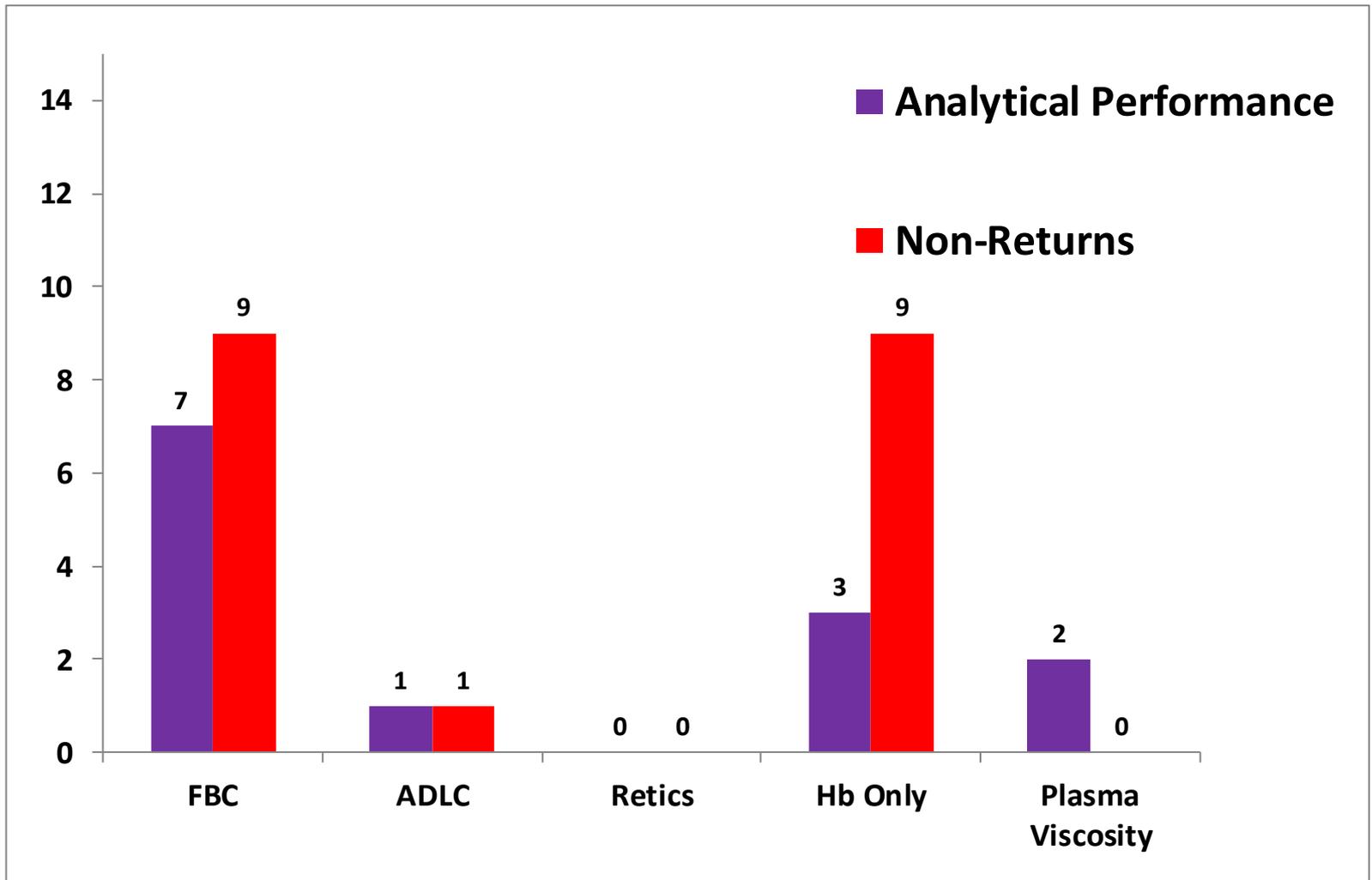
October 2015

Scheme	FBC	ADLC	Retics	Hb only	Plasma Viscosity
Web Based	Yes	Yes	Yes	Yes	No
Participant Use	98%	98%	99%	99%	-

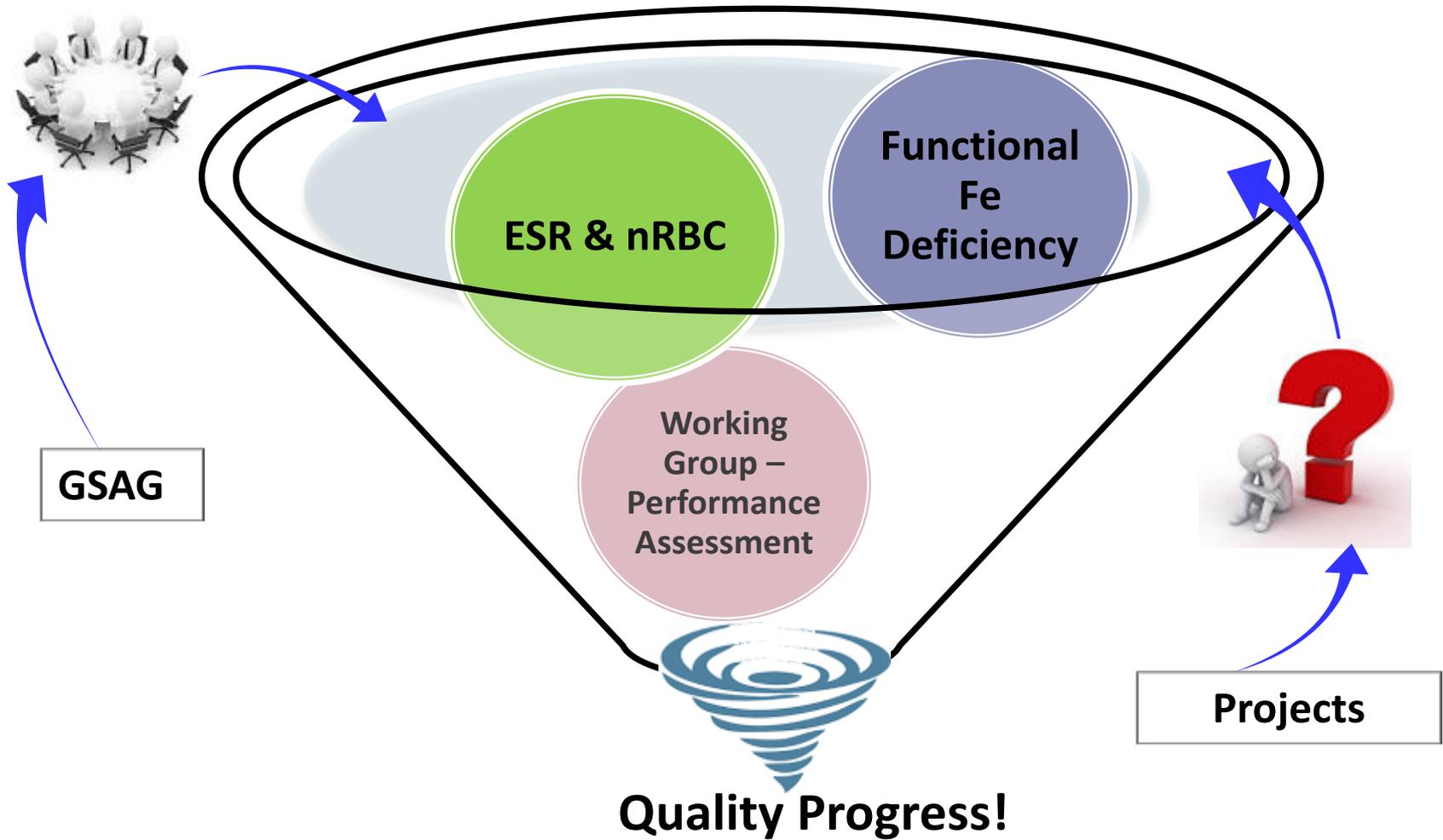
UK NEQAS (H)- UPS



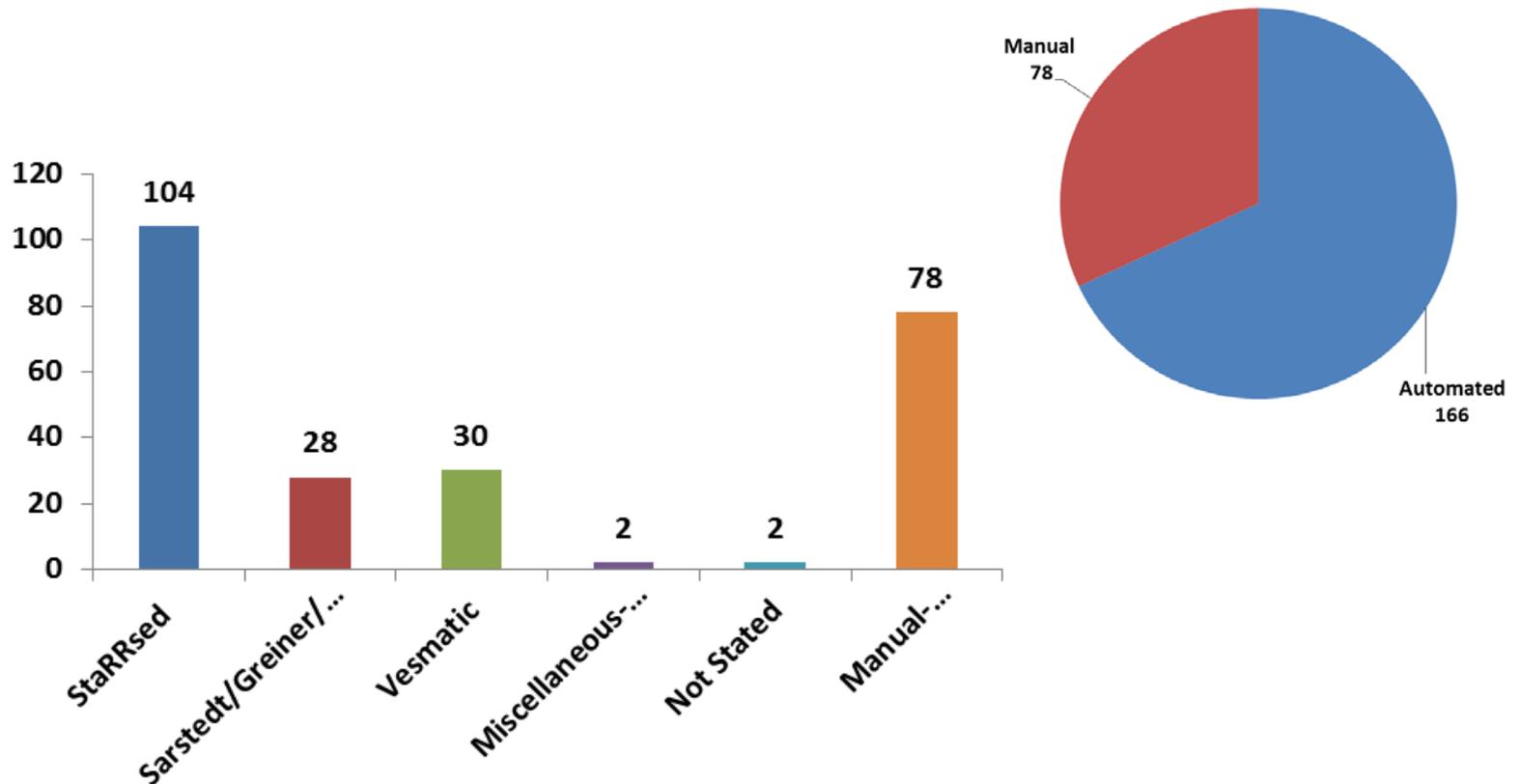
UK NEQAS (H)- PUPS



Developments and Updates

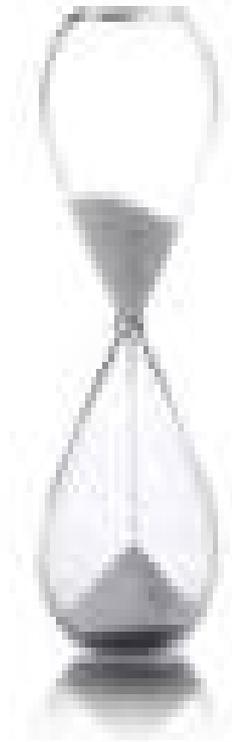


ESR Pilot -Participant Breakdown



ESR Update

- **Generated Reasonable Interest**
- **Many Instrument/Manual Groups**
- **Material for Alifax Machines in the Future**
- **Remains a Pilot - Scoring Being Worked On**
- **Full Scheme hoped for in 2016**



nRBC -Update

- ▶ **Remains Pilot Scheme**
- ▶ **Material – Sysmex (XE and XN series)**
- ▶ **Beckman Coulter- Material now available-**
distributed in August 2015 Survey

nRBC –Instrument Types

SYSMEX	XE Series	XN Series	XT Series	TOTAL
Instruments Registered	175	145	7	327

119 Laboratories

BECKMAN COULTER	DxH 600	DxH 800	LH Series	TOTAL
Instruments Registered	1	57	6	64

42 Laboratories

Functional Fe Deficiency

- ▶ Pre-pilot showed difficulty in obtaining suitable material

- ▶ Guideline has been written & published

Wayne Thomas, Rod Hinchliffe, Carol Briggs et al.



British Journal of
Haematology
Volume 161, Issue 5, pages
639–648, June 2013

- ▶ Work on Immature Reticulocyte Parameters is still ongoing

RDW and MPV

- ▶ **Susanne Kricke - (*MSc Student University Westminster*)**
- ▶ **Review of RDW and MPV Data**

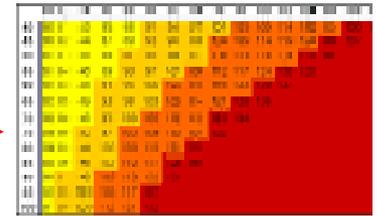
Performance Assessment



Performance Trends



Traffic Lighting



Index Chart (EQA/IQC)
(Brendan Fitzpatrick)

PUP

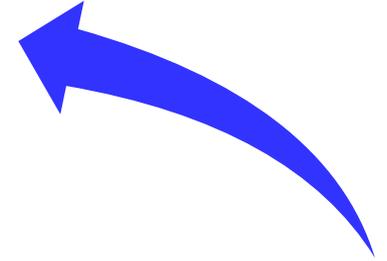
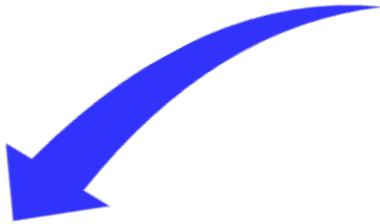


CAPA

Standard data
- PUP dialogue

Intro- Imminently

CA/PA



Root Cause

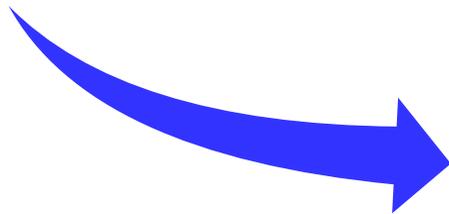
- ▶ Designed/Reviewed- Scheme Advisors
- ▶ Participant Response – Performance Letters)
- ▶ Electronic Download and return
- ▶ PUP's first
- ▶ UP's if participants find useful



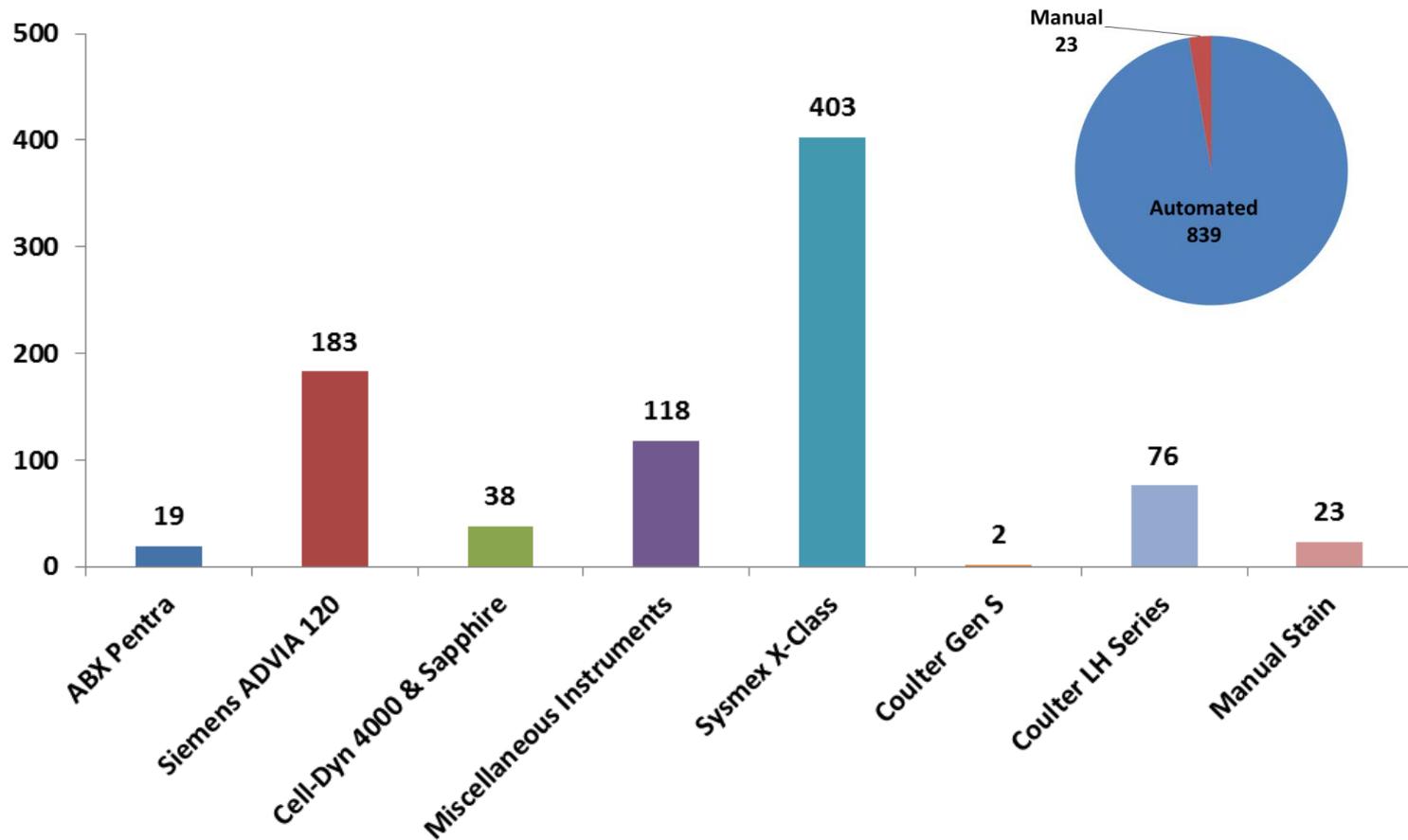
Correct



Prevent

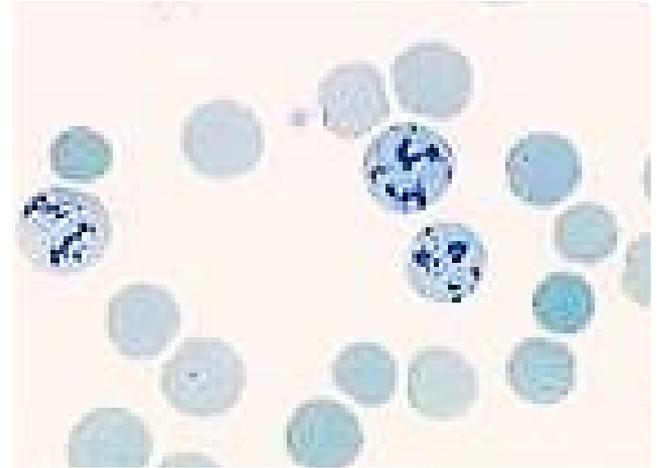


Reticulocyte Scope

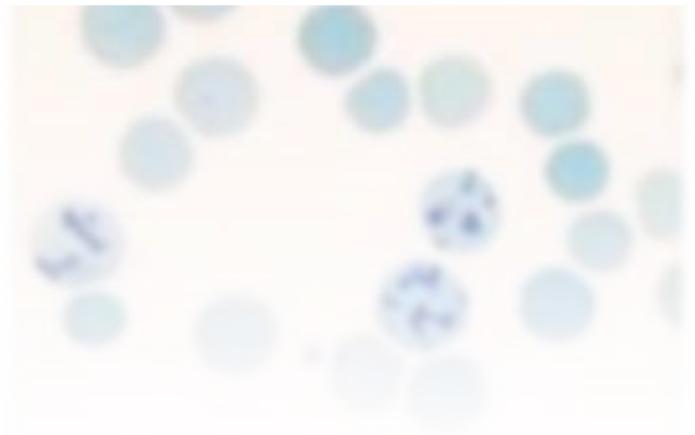


Manual Reticulocyte Counting

- **Genotypic CV% - Circa 50-95%**
- **2.6% of UK labs- manual EQA**
- **Validity of results?**



- **EQA-Quantitative or qualitative?**



Manual Reticulocyte- Your Views

➤ Do you still do this routinely and Report?

Yes

No

➤ Quantitative or Qualitative?

Yes

No

Optical Platelet Counting



- ▶ **GSAG – Inclusion in reports?**
- ▶ **Sysmex XE & XN users will be asked to help**
- ▶ **Beginning November 2015 – 3 distributions, 6 Counts**
- ▶ **Not Performance Scored**

Plasma Viscosities

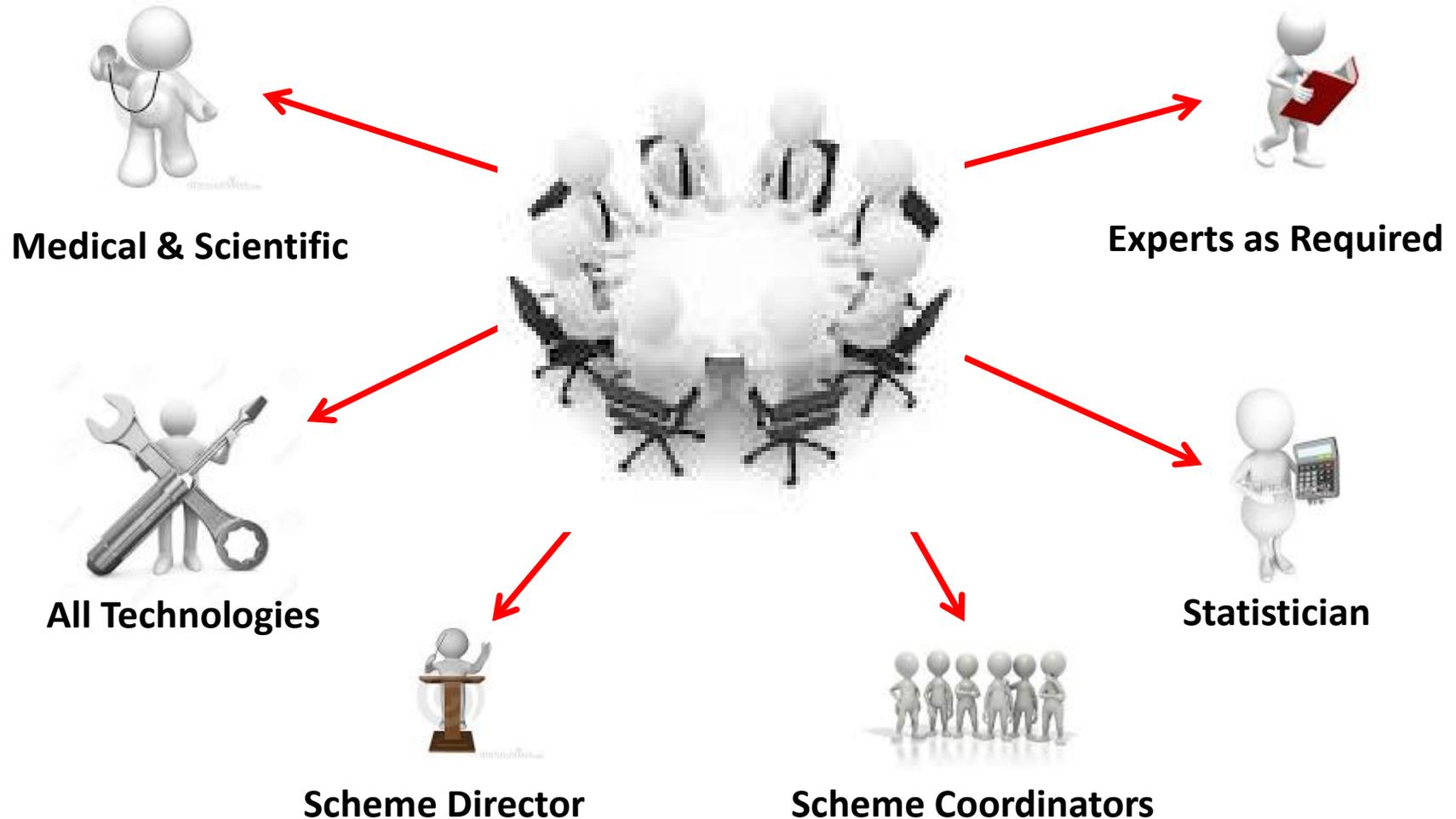
- On line Reporting being tested
- Facilities to enter methodologies now live
- Reporting to follow



GSAG – Who, When and What?

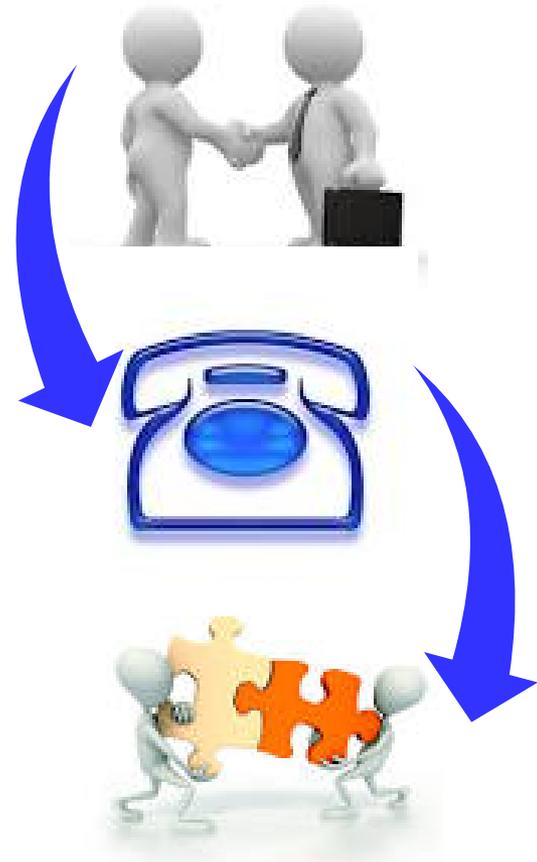


Who - SAG Membership



When

- Face to Face Annually
- Conference Follow up
- Special Projects – Ad Hoc



What

- **Advices & Guides –**
 - . Design/Fit for purpose /Relevancy /Scope
 - . Format/Performance Scoring
 - . Initiatives
 - . Trends-Analytical and groups



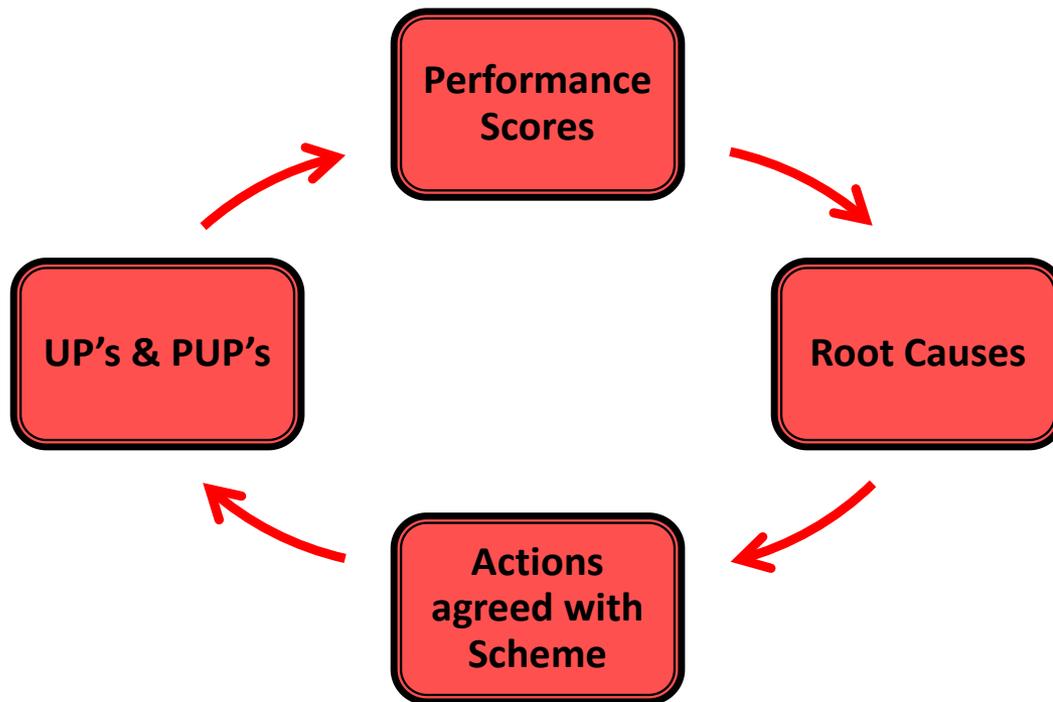
- **Where Poor performance indicates scheme operational failure.**
 - **Mechanics of operation**
-

- **Horizon scanning**



What Not

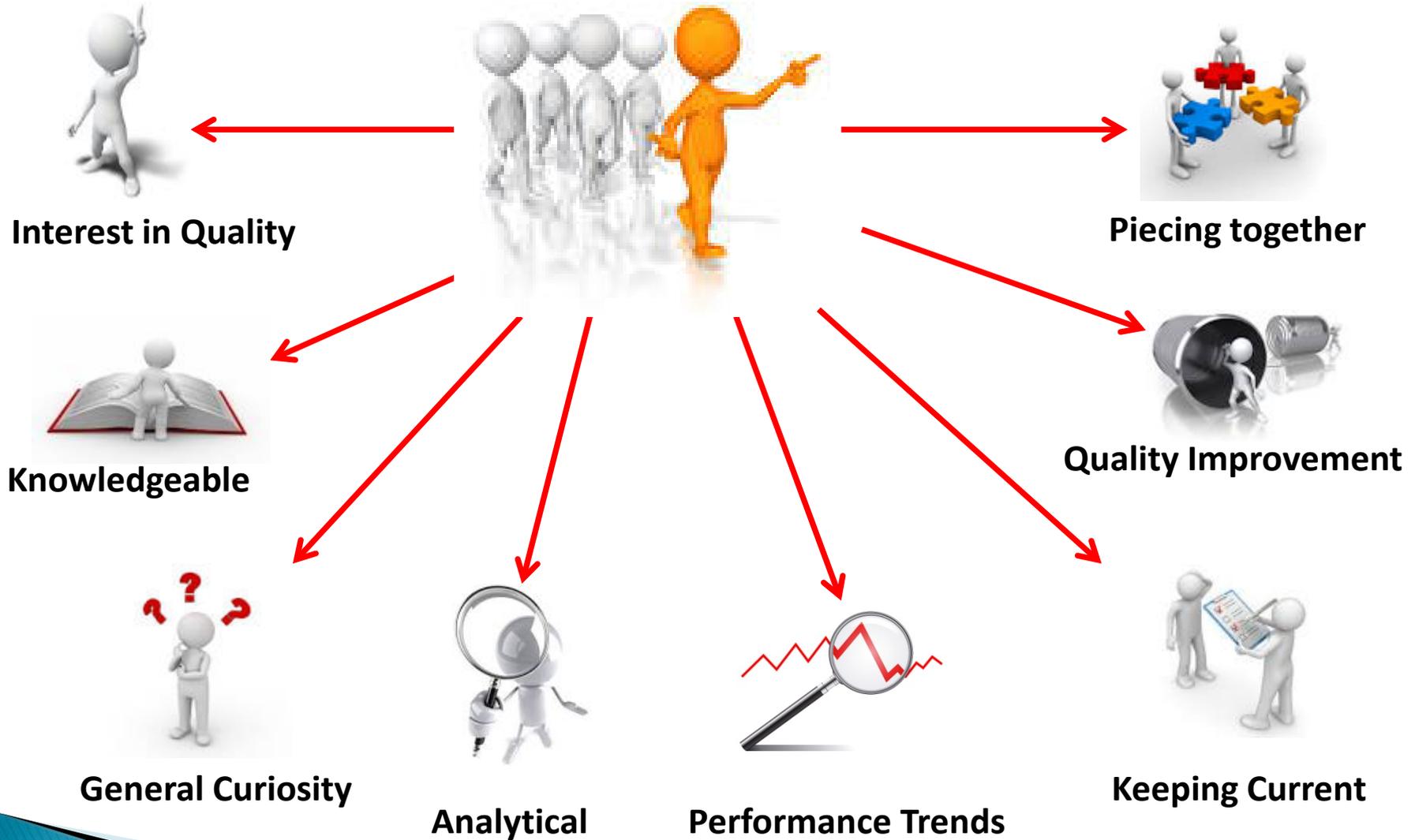
Does Not Consider Individual Laboratory



SAG –Participant Members Profile?



SAG Member - Quality Challenge



Participant SAG Members



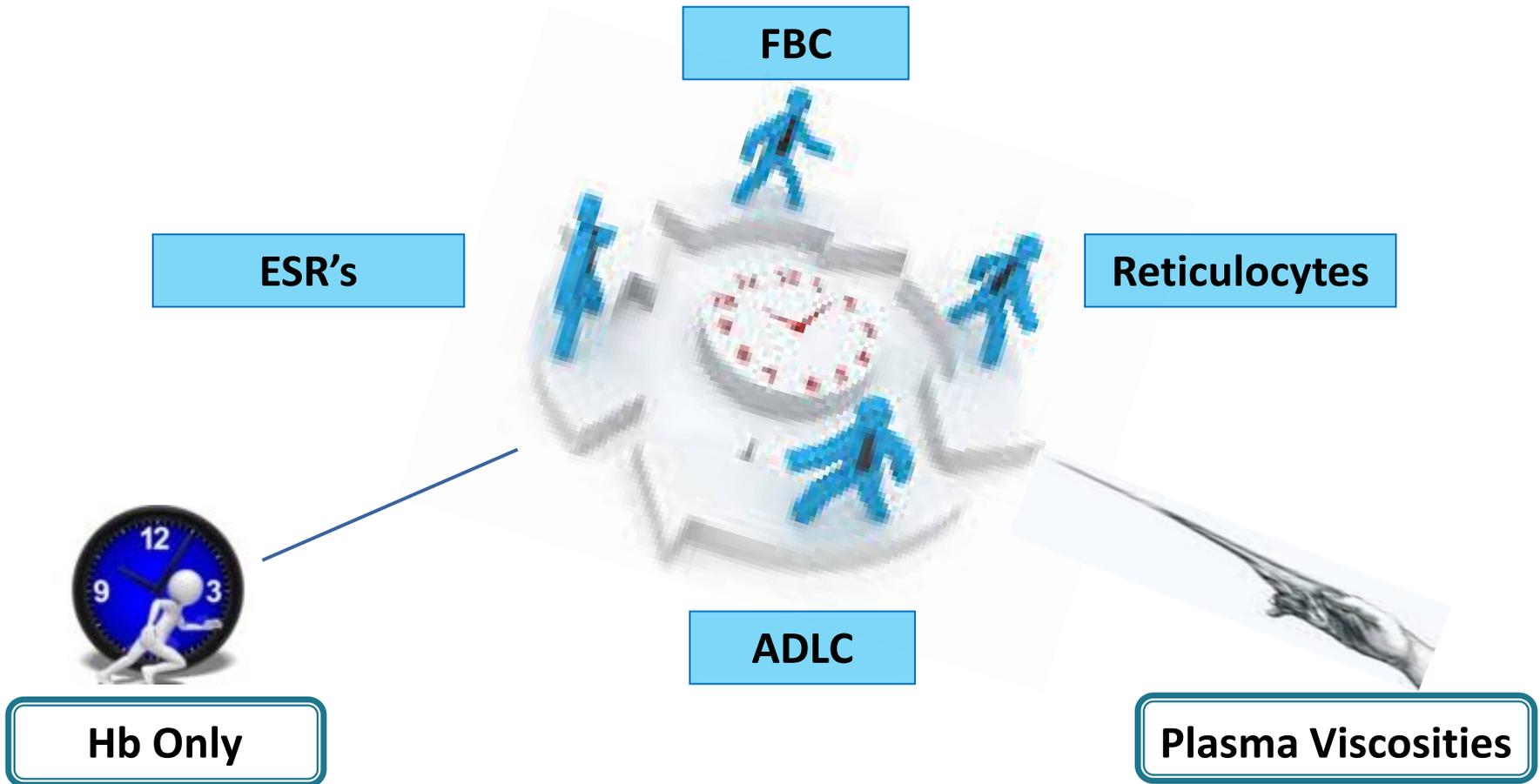
Tasks



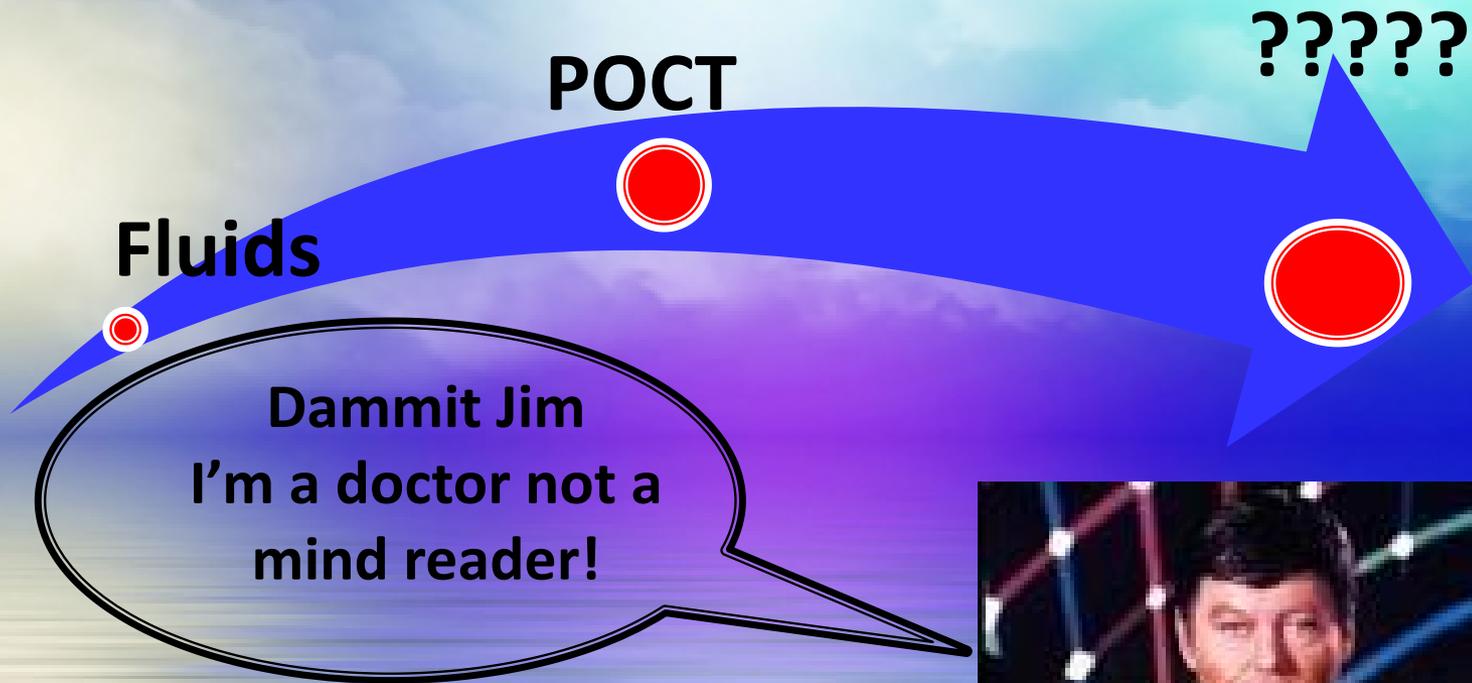
- **Independent Expert Assessment - Performance (Reports)**
- **Can formulate specialist 'task forces' - Projects within scheme and across other schemes.**
- **E.g. Performance Assessment and Measurement Uncertainty**



External Assessors – Independent Reports



On & Over The Horizon



Interesting & Interested?

- Quality Interests
 - Scientific Interests
 - Technology interest/expertise
 - Would you like to join a SAG
-
- If so then say why and What you could bring to the table?



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