

The Technical Document for Sport Specific Analysis (TDSSA) in practice: challenges and lessons learned to date

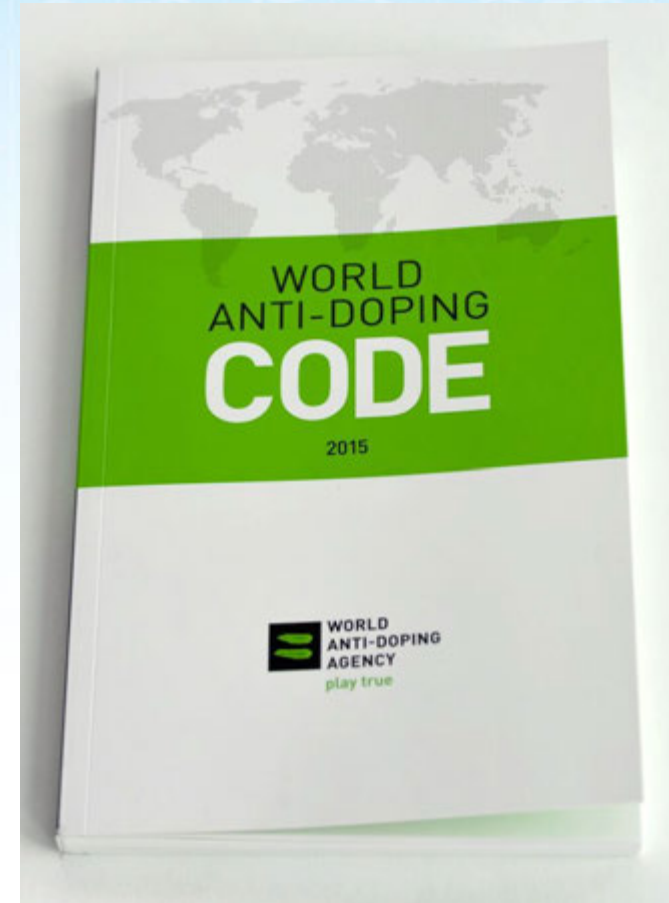
Sochi 23 April 2015

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Art. 5.4 of WADA Code

- TDSSA identifies by means of a Risk Assessment which substances and methods are most likely to be abused in certain sports and disciplines.
- TDSSA sets a Minimum Level of Analysis (MLA)
- TDSSA is mandatory for International Level and National Level athletes (as defined respectively by IFs and NADOs)



GOALS AND BENEFITS OF THE TDSSA



MINIMUM LEVEL OF ANALYSIS (MLAs)

- **Definition:**
 - The number of analyses for the Prohibited Substances within the scope of the TDSSA required to be performed by an ADO for each sport/discipline, expressed as a percentage of the total eligible Tests in their TDP.
- MLA determined in consultation with IFs and based on:
 - Analysis of the physiological demands of a sport or discipline against the potential *performance enhancing* benefit of Prohibited Substances on the TDSSA.



MINIMUM LEVEL OF ANALYSIS (MLAs)

SPORT	DISCIPLINE	ESAs %	GH & GHRFs %
Savate	All	10	10
Sepaktakraw	All	0	0
Shooting	All	0	0
Skating	Figure Skating	10	10
Skating	Short Track (1500 m or less)	15	10
Skating	Short Track (>1500 m)	30	10
Skating	Speed Skating (1500 m or less)	15	10
Skating	Speed Skating (>1500 m)	30	10
Skating	Synchronized Skating	10	5
Ski Mountaineering	Ski Mountaineering	30	5
Skiing	Alpine	15	10
Skiing	Cross-Country	60	10
Skiing	Nordic Combined	30	10
Skiing	Freestyle Skiing	10	5
Skiing	Ski Jumping	0	5
Skiing	Snowboard	10	5



PROHIBITED SUBSTANCES COVERED BY TDSSA

Erythropoietin Stimulating Agents → ESAs (EPO and similar)

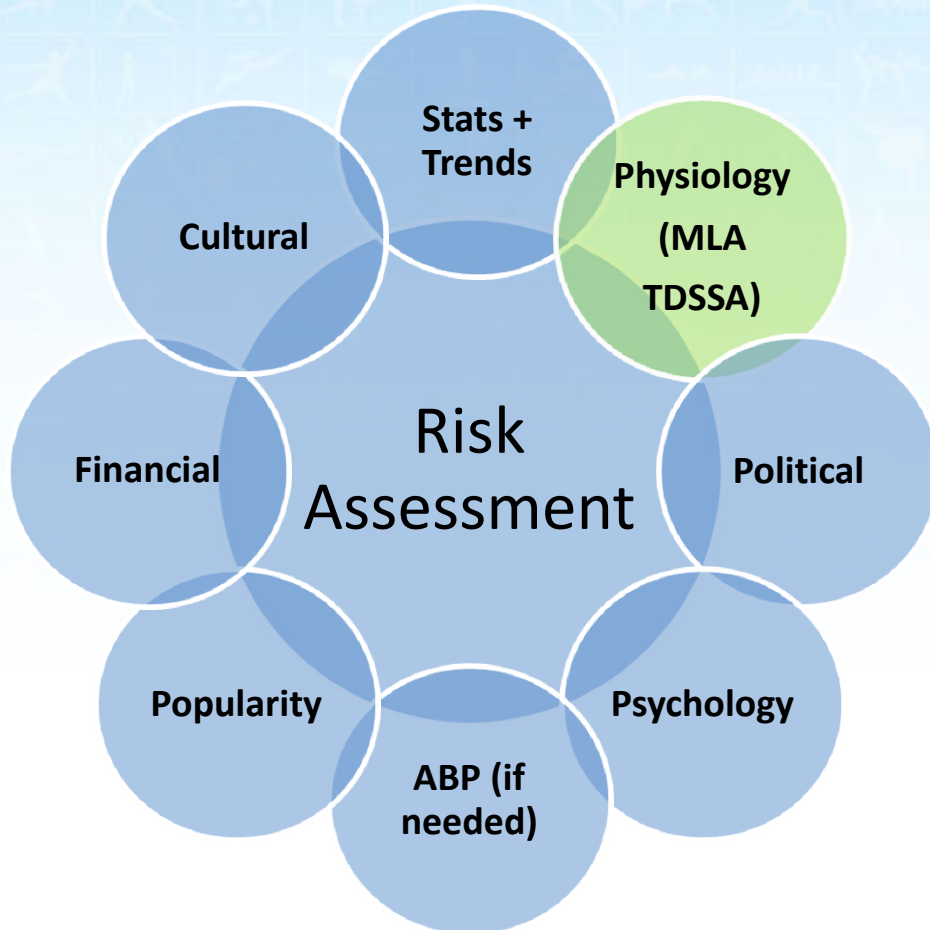
Human Growth Hormone → HGH (isoform and/or biomarkers)

Growth Hormone Releasing Factors → GHRFs

- ESAs
- GHRFs

- ESAs (Cera)
- GH (Biomarker + Isoform)
- GHRFs

IMPLEMENTATION



**TDP: QUALITY OF TESTING →
Through a quality driven Risk Assessment**

VS.

**ANALYSIS %
Required for compliance
(minimum number of tests not defined by WADA)**



IC OR OOC?

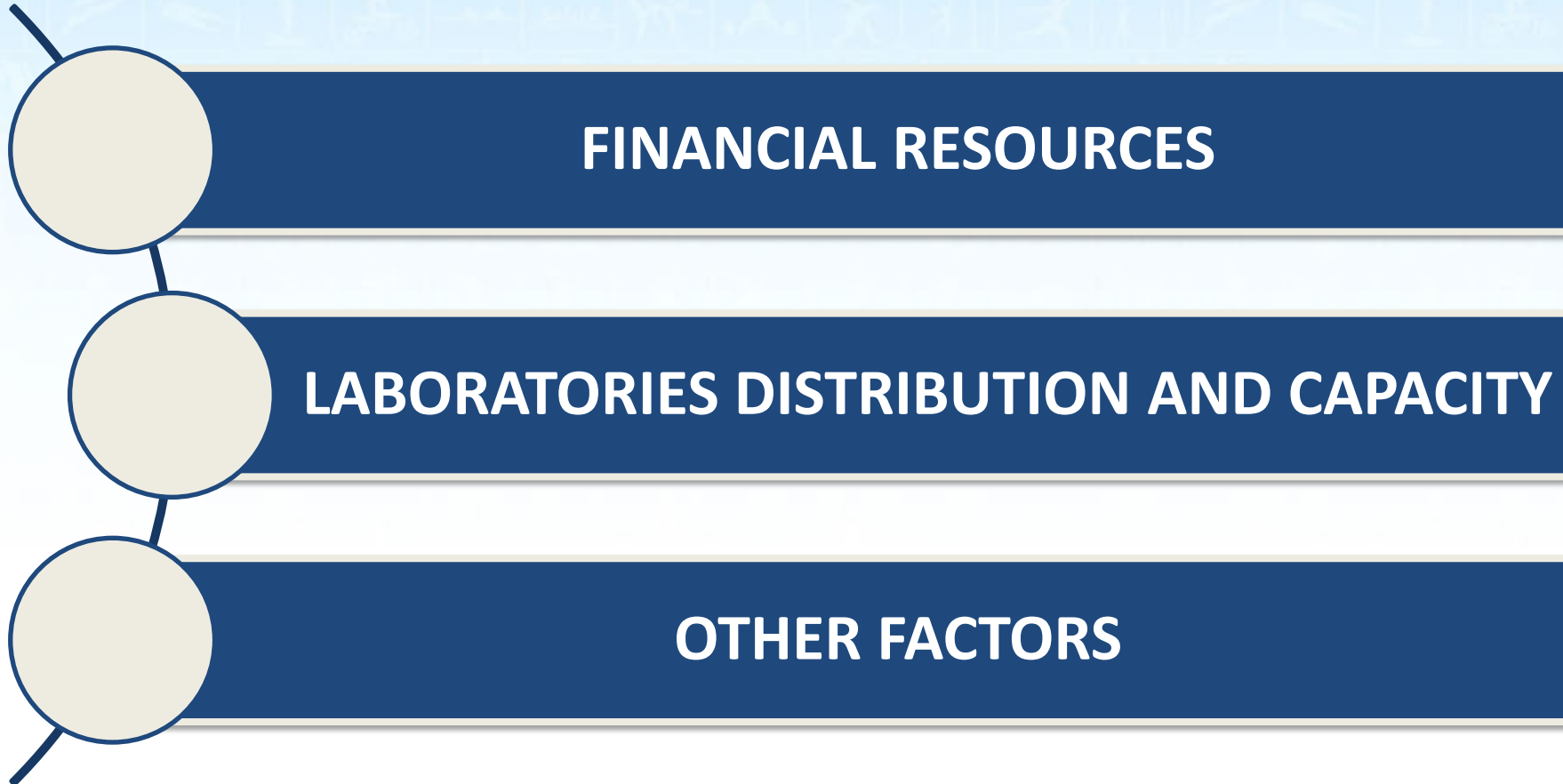
60% - 70% of ESAs → OOC.

70% - 80% of HGH → OOC

IMPROVE COMMUNICATION AND EXCHANGE OF
INFORMATIONS WITH EVENT ORGANISERS

AVOID SHIFTING TOO MANY «MLAs ANALYSES» IN-
COMPETITION

THE CHALLENGES



FINANCIAL RESOURCES

- **AVG. COST OF ADDITIONAL ANALYSES**



ESAs %	30	€ 7'560
HGH %	10	€ 1'880

GLOBAL LABORATORY CAPACITY

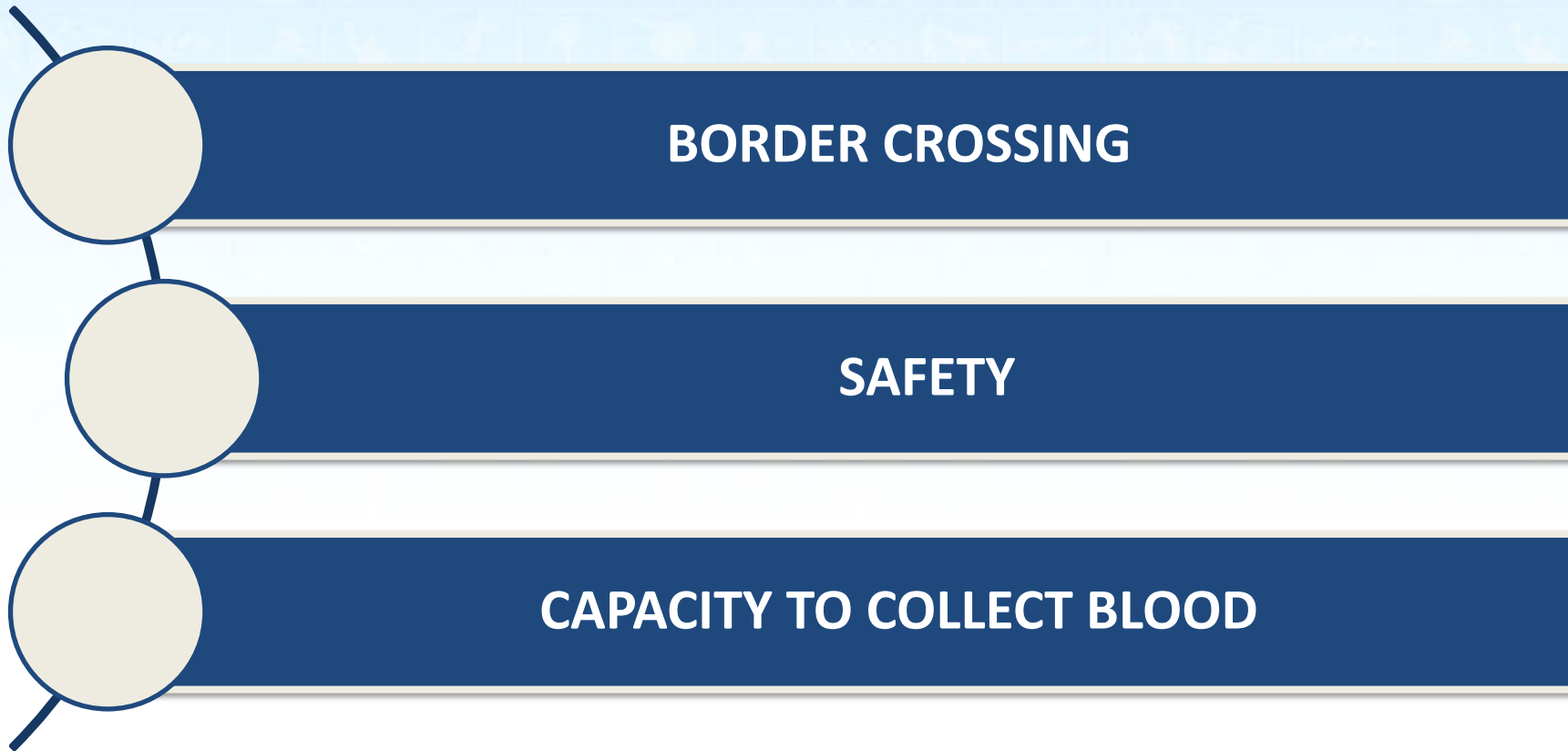
ESAs		GH Isoform	GH Biomarker	GHRFs	
Urine	Blood	Blood	Blood	Urine	Blood
100%	80%	100%	20-30%	60%	60%



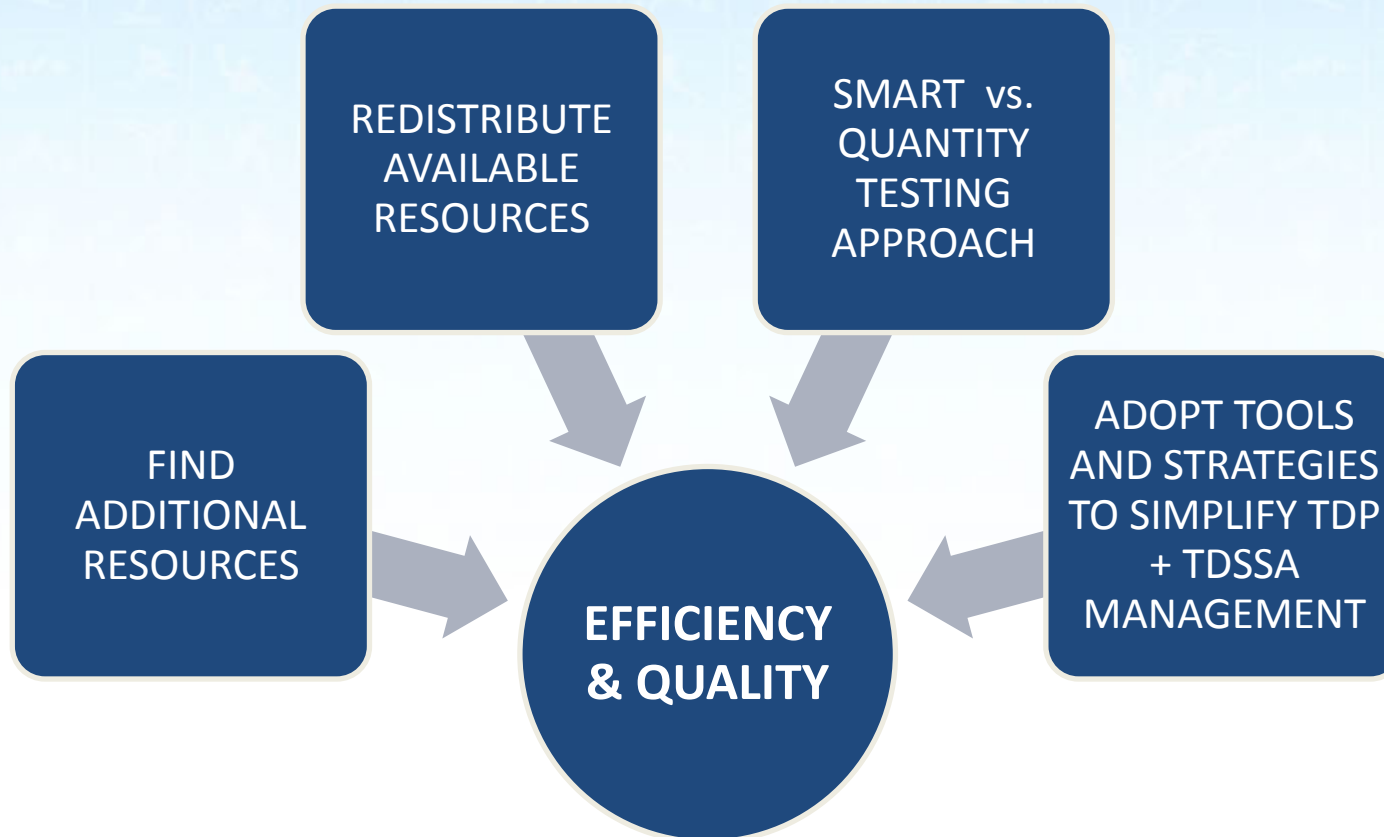
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OTHER FACTORS



RESOURCES AND STRATEGIES



Thank you!

