# **ADAMS & The Athlete Biological Passport**

### ABP Symposium

Stuart Kemp Deputy Director, Standards & Harmonization Principal, ADAMS Advancement



### **Overview**



- ADAMS & the ABP Current Situation
- ADAMS Next Gen Update
- Achievements to date & ABP impact
  - Infrastructure & Security Improvements
  - Analytics & Data Collection Driving decision making
  - New Athlete Central App
  - Paperless Doping Control
  - Testing Centre
- What about the ABP?
  - Scope of Module & ADO/APMU/Expert engagement
- Q&A





### **Athlete Biological Passport**

- Athlete Passport Management Unit (APMU) and expert users' anonymized access
- One Passport one athlete
- Passport Custodian is the only organization that can grant access to the Athlete's NADO /IF

908/

95%

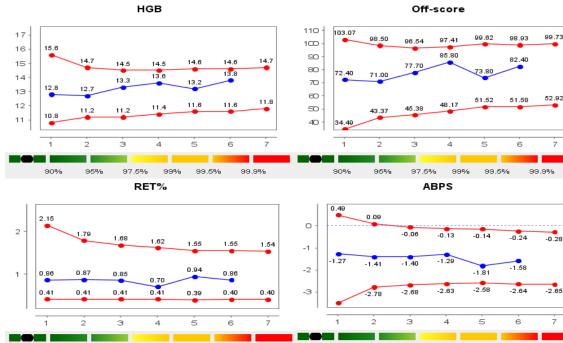
97.5%

99%

99.5%

99.9%

 Automatic reporting to WADA



90%

95%

97.5%

99%

99.5%

99.9%



	DCF	Biological result	Biological Passport	Expert report	APMU report
Athlete	None	Read	None	None	None
Testing Authority	Write	Read	None	None	None
Passport Custodian	Read	Read	Read	Read	Read
Passport Custodian APMU	Read*	Read	Read	Read	Write
Passport Custodian Experts	Read*	Read	Read	Write	None
WADA	Read	Read	Read	Read	Read
Biological lab	None	Write	None	None	None

### **Sharing rules:**

 Athlete Biological Passports can be shared by the athlete's Passport Custodian with his NADO and/or IF

### **ABP Accessibility**







## **Current Situation**



- New plan, team and philosophy in place for just over one year
- Initial emphasis has been on speed, security, responsiveness and mobility
- NextGen under development with 'Classic' ADAMS maintained



### **ADAMS Development Team**



- Orchestration in-house: 15+ team members Executive sponsor
  - Business Analysts
  - Project Managers
  - Developers
  - UX Expert
  - Quality Assurance
- Depending on the weeks anywhere between 15 to 40 people are involved in building products for WADA (Montreal, Sherbrooke, Saguenay)

## **2018 Development Priorities**



- New Athlete Whereabouts system
- Paperless Doping Control system
- New Test Planning module
- Laboratory connectivity to ADAMS



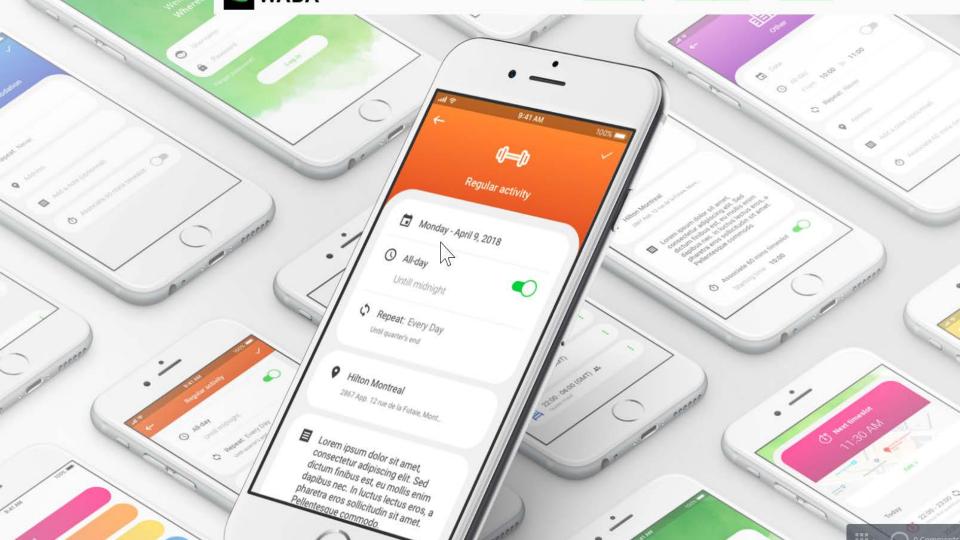




## Infrastructure & Security upgrades



- improved performance and reliability of log-in and daily user operations
  - up-to-date software across all systems
- 2-Factor authentication
- automatic detection of suspicious activity (new devices, different locations, etc.)
  - move towards a single sign-on for ADAMS and eventually the rest of WADA's applications
  - Integrated analytics tools





### Athlete Central – ABP Impact



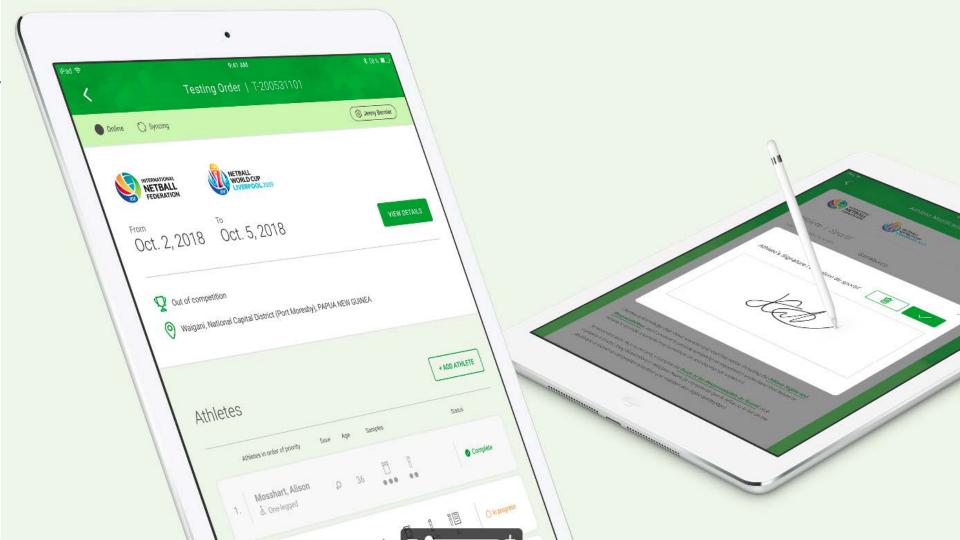
More accurate whereabouts for targeted testing

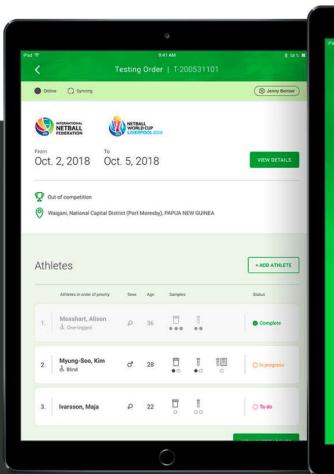
- Future means to access testing history/data
- Mapping API
  - Standardizes location information
    - Affords altitude options

## **Paperless Doping Control Application**

- Single DCO user
- Tablet based iOS and Android
- Work online / offline
- Electronic signature
- Multiple languages

Faster and better standardized data transmission to APMU & Experts





	941 AM Athlete Notification Signature	
	NTERMIDIAL PEDERATION	Г
	رياضي   Athlete	
Last Name	ابو غوش   Abu Ghaush	الخنبة
First Name	أحمد   Ahmad	الاسم الاول
Language	لبناني   Lebanese	Gal.
	أبلغ   Notifier	
Last Name	Bernier	فينف
First Name	Jenny	لتسم الاول

Date	2 أكتوبر 2018   2018 Cctobre 2, 2018   2018	50
Time	18:38	فت

I hereby acknowledge that I have received and read this notice, including the <u>Athlete Rights and</u> <u>Responsibilities</u>, and I consent to provide sample(s) as requested (I understand that failure or refusal to provide a sample may constitute an anti-doping rule violation).

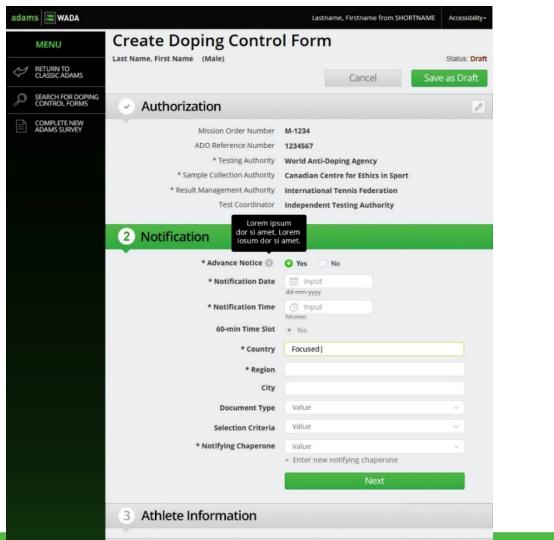
أقر بموجب هذا <mark>يأنني تلقيت هذا الإشعار وفراءته ، بما في ذلك حقوق ومسؤوليات الرياضيين ، وأواقق على</mark> تقديم عينة (عينات) كما هو مطلوب (أفهم أن الإحفاق أو رفض تقديم عينة قد بشكل النهادًا تقاعدة مكافحة المنشطات).

		Whereabouts	
) Offline Last sy	ne : Friday, Sept. 21 2018 15:51		🛞 Jenny Berni
Athlete	Control Contro	Wednesday October 3, 2018	Thursday October 4, 2018
Mosshart, Alison	17:00 - 18:00           Hotel           Bonaventure	17:00 - 18:00           Hotel           Bonaventure	Image: 17:00 - 18:00       Hotel       Bonaventure
Myung-Soo, Kim	ffh 12:00 - 16:00 McGil College	C   17:00 - 18:00 Hotel Bonaventure	2 12:00 - 16:00 McGill College
	(17:00 - 18:00 Hotel Bonaventure	18:30 - 00:00 McGill College	Image: 17:00 - 18:00       Hotel       Bonaventure
	=== 18:30 - 00:00 McGill College		ایس   18:30 - 00:00 McGil College
Ivarsson, Maja	12:00 - 16:00 Air Canada	ダー 14:00 - 18:00 Hotel Bonaventure	() 17:00 - 18:00 Hotel Bonaventure
	Ö   17:00 - 18:00 Hotel Bonaventure		

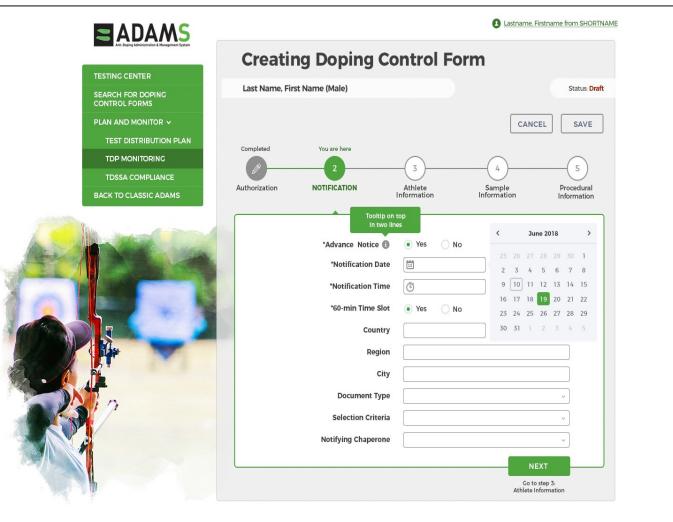


# **ADAMS Next Generation Modules**

Name ADAMS 107   HOMCHUENES CitclifA51542   Chwanisa CitclifA51542   Chwanisa MOAFA55722   Usaye, Chaya Test Goordinator   Sport [Discipline* Event   Address Book National   P OcFa(9) Created-in Progress - Unnel]   OFA92015 - Complete-Sample Notice*   15-0dt-2009 - Complete-Sample(s) collected   15-0dt-2009 - Complete-Sample   15-0dt-			g Control Form       print       notify       edit       correct         Originally created 25-Aug-2015 15:48 GMT , by Ndiaye, Chaya from WADA-AMA       Last updated 04-Mar-2016 17:16 GMT , by Ndiaye, Chaya from WADA-AMA         ADAMS ID#       Date of birth       Sport Nationality       Gender         NDCHFA19406       14-Feb-1980       HOLY SEE (VATICAN CITY SEE)       Female         Jss   Hornuss ; Sambo         bo       bo       ADAMS DCF#       Date of Test*         D-361794162       Do Reference#       Date of Test*       print         gency       Sample Collection Authority*       gency       Lead DCO       print         Event       Athlete Level       Drint       National			
Athlete       Original presed 35-wg 2003 15-46 Girt. To Magee. Charg Term MUOA-MAR         Chay and       End         athlete advanced search       Maintee advanced search         Ima areport       NDCHFA19406         Sport / Discipline       Sport / Discipline         Text Hists found       Sport / Discipline         Text Hists found       Chick advanced for the Multice of the Multi						
Chaya and       Index         Athlete advanced search       Index         Athlete advanced search       Index         Intervention       Index         Athlete advanced search       Index         Athlete advanced search       Index         Athlete stored       Index         Athlete advanced search       Index         Athlete stored       Index         Athlete stored       Index         Index       Index         Athlete stored       Index         Index       Index	·			Originally created 25-Aug-20	15 15:48 GMT , by Ndiaye, Chaya from WADA	A-AMA
athlete advanced saarch       Ahlete       ADAMS 102       Date of birth NDCHFA19406       Date of birth Date of birth NDCHFA19406       Date of birth NDCHFA19406       Sport Nationality Emaile STATE       Conder Female         new athlete       inter- name       Athlete found Name       Athlete found Normality       Conder Female       Sport Nationality Female       Conder Female         Athletes found Name       Athlete found Name       Athlete found Name       Conder Female       Date of Test*       Date of Test*         Athletes found Name       Athlete found Name       Conder Female       Date of Test*       Date of Test*         Name       ChickFAS128       D-Sol794162       Date of Test*       Date of Test*         Name       Modulation       Athlete looping Agency       Sample Collection Authority*       WaDA-AMA         Vidays: Chava       Notice*       Notice*       Notice*       Notice*         Biological Pasport       Athlete Level       Notice*       Notice*       Notice*         Status       Complete-Sample(s) collected       Notice*       Notice*       Notice*         Biological Pasport       Athlete Level       Notice*       Notice*       Notice*         Created-In Progres - Urine[]       Complete-Sample(s) collected       Notice*       Notice*       Notice*				Last updated 04-Mar-20	016 17:16 GMT , by Ndiaye, Chaya from WAD	A-AMA
Amete advanced search       Ndiave, Chaya       NDCHFA19406       14-Feb-1980       HOLY'SEE (VATICAN CITY       Female         mex athlets       intit       na reget       Status       Athietes form         Mare about Failures (4)       Created-in Progress - Unine[]       Status       Status       Status       Status       Status       Status       Status       Status       Status       Athietes form       Status       Athietes (2)       None       Status       Athietes (2)       Status       A		Athlete	ADAMS ID#	Date of hirth	Sport Nationality Gender	
In a repot         a sthictes found         Name       ADAMS IDF         Addition       Chick Info I Weightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Addition       Chick Info I Meightlifting ; Hornuss ; Sambo I          Mane       World Anti-Doping Agency         WaDa-AMA - World Anti-Doping Agency       Reault Management Authority *         WaDa-AMA - World Anti-Doping Agency       Lead DCO         Markas Book       Withereabouts         Orfe(s)       Created In Progres - Urine[]         Octady 2018 - Complete-Sampi        Notice *         In Competition       No Advance Notice         Omments       Status *         Sample (o) complete-Sampi        Status *         In Complete Sampi					Y SEE (VATICAN CITY Female	
A tilletes found         Name         Name         Childres found         Name         Childres found         Name         Childres found		Sport / Discipline	Ν			—
Name ADAMS 10#   HOMCHUENES CHCHESISE   Enviruing ChCHESISE   Enviruing ChCHESISE   Enviruing MOALFASS222   Idave, Chava NOCHESISE   WaDA-ANA Wold Anti-Doping Agency   WaDA-ANA WaDA-ANA   WaDA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WaDA-ANA WadA-ANA   WadA-ANA WadA-ANA   WadA-ANA WadA-ANA   WadA-ANA WadA-ANA   WadA-ANA WadA-ANA   WadA-ANA WadA-ANA   WadA	run a report	Weightlifting   Weightlifting ; Hornus	ss   Hornuss ; Sambo   9	0		
CHONCLENENCE:       CHCHEASISE         Diversing:       CHCHEASISE         Wada:       World Anti-Doping Agency         Wada:       World Anti-Doping Agency         Wada:       Coordinator         Test (Discipline*       Event         Address Book       Event         By Wereabouts       Complete-Sample         OCFG(9)       Created-In Progres: - Unne[]         Complete-Sample(5) collected       Notice*         In Complete-Sample(5) collected       <	4 athletes found		-			
Chavansa Subtrinzadar   Chavansa Subtrinzadar   Chavansa Chavansa   Chavansa Chavansa   Chavansa Chavansa   Chavansa Modul/2ASS722   Waba-AMA - World Anti-Doping Agency   Result Management Authority *   Waba-AMA - World Anti-Doping Agency   Result Management Authority *   Waba-AMA - World Anti-Doping Agency   Result Management Authority *   Waba-AMA - World Anti-Doping Agency   Result Management Authority *   Waba-AMA - World Anti-Doping Agency   Test Coordinator   Coresource   Created-in Progress - Urine[]   -Created-in Progress - Urine[]   -Greated-in Progress	CHOMONDEE			) Reference#	Date of Test*	
Chavania Sixtundadeau   Chavania Moduchava, Alexandra   Moduchava, Alexandra MoCHRA19406     Testing Authority*   WaDA-AMA - World Anti-Doping Agency   Result Management Authority *   WaDA-AMA - World Anti-Doping Agency   Wational   Tractional Archery Traditional   Portational Created-In Progress - Unine[]   User Test   View Test   Od-Aug-2015 - Complete-Sample   If-Out-2009 - Complete-Sample	Chayanisa Chevrasisas		-361794162		19-Aug-2015	
Moguetrys_Alexandra       MOALFASS722         Midays_Chaya       MDCHFA19405         Midays_Chaya       MDCHFA19405         Midays_Chaya       MaDA-AMA - World Anti-Doping Agency         WADA-AMA - World Anti-Doping Agency       WADA-AMA - World Anti-Doping Agency         Mew						
WADA-AMA - World Anti-Doping Agency   Kdiaye, Chaya   New	Moguchaya, Alexandra MOALFA55722	Testing Authority*				
Wdaye,Chaya       WADA-AMA - World Anti-Doping Agency         Wdaye,Chaya       Itel Coordinator         New       Itel Coordinator         Biological Passport       Address Book         Whereabouts       Sport[Discipline*         DCFs(9)       In Competitional Archery   Traditional         Created-In Progress - Urine[]       Oz+Nay-2018 - Complete-Sampl         Created-In Progress - Urine[]       Comments         Is-Nar-2018 - Complete-Sampl       International         Od-Aug-2012 - Complete-Sampl       Status*         Complete-Sampl       Complete-Sampl         Is-Oct-2009 - Complete-Sampl       Samples (1)         Negative Findings       Blood passport         Whereabouts Failures(4)       Time of Collection*         Sent to Lab*       Blood passport         LestArya       Usion         Whereabouts Failures(4)       ABP Supplemental Report Form	Nolaye, Chaya NDCHFA19406		ency			
Wdaye,Chaya       WADA-AMA - World Anti-Doping Agency         Wdaye,Chaya       Itel Coordinator         New       Itel Coordinator         Biological Passport       Address Book         Whereabouts       Sport[Discipline*         DCFs(9)       In Competitional Archery   Traditional         Created-In Progress - Urine[]       Oz+Nay-2018 - Complete-Sampl         Created-In Progress - Urine[]       Comments         Is-Nar-2018 - Complete-Sampl       International         Od-Aug-2012 - Complete-Sampl       Status*         Complete-Sampl       Complete-Sampl         Is-Oct-2009 - Complete-Sampl       Samples (1)         Negative Findings       Blood passport         Whereabouts Failures(4)       Time of Collection*         Sent to Lab*       Blood passport         LestArya       Usion         Whereabouts Failures(4)       ABP Supplemental Report Form		Pecult Management Authority *		Sample Collection Autho	veitu *	
Mdaye, Chaya   New			encv			
New	Ndiave Chava		*			
Address Book     Sport[Discipline**     Event     Athlete Level       Whereabouts     Traditional Archery Traditional     National       DCFs(9)     Created-In Progress - Urine[]     Notice*       O2-May-2018 - Created-In Progress - Urine[]     Comments       Created-In Progress - Urine[]     Comments       Image: Complete-Sample     Status*       O4-Aug-2015 - Complete-Sample     View Test       O4-Aug-2015 - Complete-Sample     View Test       O4-Aug-2015 - Complete-Sample     Status*       Complete-Sample     Complete-Sample       O4-Aug-2015 - Complete-Sample     Samples (1)       Notification     Comments       Participants     Activities(7)       Non-Conformities     Samples (1)       Notification     Code *       Details     Comments       Samples (1)     Notification       Details     Coc       Blood passport     testchaya       Blood passport     testchaya       Time zone     Temp Logger ID       Time zone     Temp Logger ID       Mybreabouts Failures(4)     ABP Supplemental Report Form					pri	int
Address Book       Sport[Discipline**       Event       Athlete Level         Whereabouts       Traditional Archery Traditional       National         DCFs(9)       Created-In Progress - Urine[]       National       International         O2-May-2018 - Complete-Sampl       In Competition       No Advance Notice         Created-In Progress - Urine[]       O2-May-2015 - Complete-Sampl       Status*         O4-Aug-2015 - Complete-Sampl       Comments       View Test         O4-Aug-2015 - Complete-Sampl       Status*       Complete-Sample         O4-Aug-2012 - Complete-Sampl       Status*       Complete-Sample(s) collected         O4-Aug-2012 - Complete-Sample       Samples (1)       Notification Details       Participants       Activities(7)         Were abouts Findings       Blood passport       testchaya       05:00       WADA-AMA - Montreal,       Coc print         Whereabouts Failures(4)       ABP Supplemental Report Form       ABP Supplemental Report Form       Coc       Print						
Address Book       International         B' Whereabouts       Intachery   Traditional         CFs(9)       International         Created-In Progress - Utrine[]       International         -02-May-2018 - Created-In Progress - Utrine[]       International         -18-Mar-2018 - Complete-Sample       Status*         Created-In Progress - Utrine[]       Status*         -04-Aug-2015 - Complete-Sample       View Test         -04-Aug-2012 - Complete-Sample       Status*         Comments       View Test         Complete-Sample       Samples (1)         Notification       Comments         Samples (1)       Notification         Details       Concert         Type       Sample Code*         Blood passport       testchaya         Marce In Progress - Utrine[]       Coc         Time zone       Temp Logger ID         Time zone       Temp Logger ID         Whereabouts Failures(4)       ABP Supplemental Report Form	Biological Passport	Sport Discipling*	Event		Athlete Level	
B: Whereabouts       National         P DCFs(9)       In Est type*         - Created-In Progress - Urine[]       O2-May-2018 - Created-In Progress - Urine[]         - 18-Mar-2018 - Created-In Progress - Urine[]       Status*         - Created-In Progress - Urine[]       Status*         - Od-Aug-2015 - Complete-Sampl       Status*         - 04-Aug-2015 - Complete-Sampl       Status*         - 04-Aug-2012 - Complete-Sampl       Status*         - 04-Aug-2012 - Complete-Sampl       Samples (1)         - 16-Oct-2009 - Complete-Sampl       Samples (1)         - 15-Oct-2009 - Complete-Sampl       Samples (1)         - Trests(11)       Negative Findings         B: AAFs(4)       ATFs         Whereabouts Failures(4)       Time zone         - AAPS(2)       ABP Supplemental Report Form	Address Book	<u> </u>	Lven			
PDCFs(9)       Test type*       Notice*         Created-In Progress - Urine[]       02-May-2018 - Created-In Progr       No Advance Notice         - 02-May-2018 - Complete-Sampl       Comments       International         - Created-In Progress - Urine[]       Status*       View Test         - 04-Aug-2015 - Complete-Sampl       Od-Aug-2015 - Complete-Sampl       View Test         - 04-Aug-2012 - Complete-Sampl       Complete-Sample(s) collected       View Test         - 16-Oct-2009 - Complete-Sample       Samples (1)       Notification       Participants       Activities(7)       Non-Conformities         B Tests(11)       Negative Findings       Blood passport       testchaya       05:00       WADA-AMA - Montreal,       Coc print         Time zone       Temp Logger ID       Temp Logger Status       Time zone       Temp Logger ID       Temp Logger Status					National	
Created-In Progress - Urine[]       Comments         - 02-May-2018 - Created-In Progress - Urine[]	DCFs(9)					
-02-May-2018 - Created-In Progress - Urine[]	Created-In Progress - Urine[]		No Advance Notice			
<ul> <li>-18-Mar-2018 - Complete-Sample</li> <li>- Created-In Progress - Urine[]</li> <li>- Urine[]</li> <li>- Urine[]</li> <li>- Od-Aug-2015 - Complete-Sample</li> <li>- Od-Aug-2015 - Complete-Sample(s) collected</li> <li>- Od-Aug-2012 - Complete-Sample(s) collected</li> <li>- Od-Aug-2012 - Complete-Sample(s) collected</li> <li>- Od-Aug-2012 - Complete-Sample(s) collected</li> <li>- Status*</li> <li>- Complete-Sample(s) collected</li> <li>- Samples (1)</li> <li>Notification Details</li> <li>- Comments Participants Activities(7)</li> <li>- Non-Conformities</li> <li>- Samples (1)</li> <li>Notification Details</li> <li>- Coc print</li> <li>- Time zone Temp Logger ID Temp Logger Status</li> <li>- ABP Supplemental Report Form</li> </ul>		Comments				
Created-In Progress - Urine[]     Ig-Aug-2015 - Complete-Sample     Od-Aug-2015 - Complete-Sample     Od-Aug-2012 - Complete-Sample     To-Oct-2009 - Complete-Sample     To-Oct-2009 - Complete-Sample     Samples (1) Notification     Details     Comments Participants Activities(7) Non-Conformities     Samples (1) Notification     Details     Coc print     Type     Sample Code*     Time of Collection*     Sent to Lab*     Blood passport     testchaya     O5:00     WADA-AMA - Montreal,     Coc print     Time zone     Temp Logger ID     Temp Logger Status     ABP Supplemental Report Form					//	
I9-Aug-2015 - Complete-Sample         -04-Aug-2015 - Complete-Sample         -04-Aug-2015 - Complete-Sample         -04-Aug-2012 - Complete-Sample         -16-Oct-2009 - Complete-Sample         -15-Oct-2009 - Complete-Sample         Samples (1)       Notification Details         Comments       Participants         Activities(7)       Non-Conformities         Samples (1)       Notification Details       Comments         Participants       Activities(7)         Non-Conformities       Samples (1)         Notification Details       Comments         Participants       Activities(7)         Non-Conformities       Samples (1)         Notification Details       Coc         Type       Sample Code*         Blood passport       testchaya         05:00       WADA-AMA - Montreal,         Coc       print         Time zone       Temp Logger ID         Temp Logger Status       ABP Supplemental Report Form						
- 04-Aug-2015 - Complete-Sample       Status       View Test         - 04-Aug-2012 - Complete-Sample       - 04-Aug-2012 - Complete-Sample       Samples (s) collected         - 16-0ct-2009 - Complete-Sample       - 04-Aug-2012 - Complete-Sample       Samples (s) collected         - 15-0ct-2009 - Complete-Sample       - 04-Aug-2012 - Complete-Sample       Samples (s) collected         - 15-0ct-2009 - Complete-Sample       - 04-Aug-2012 - Complete-Sample       Samples (s) collected         - 15-0ct-2009 - Complete-Sample       Samples (s) collected       - 04-Aug-2012 - Complete-Sample         - 15-0ct-2009 - Complete-Sample       Samples (s) collected       - 04-Aug-2012 - Complete-Sample         - 15-0ct-2009 - Complete-Sample       Samples (s) collected       - 04-Aug-2012 - Complete-Sample         - 15-0ct-2009 - Complete-Sample       Samples (s) collected       - 04-Aug-2012 - Complete-Sample         - 15-0ct-2009 - Complete-Sample       Samples (s) collected       - 04-Aug-2012 - Complete-Sample         - 15-0ct-2009 - Complete-Sample       Sample Code * Time of Collection * Sent to Lab *       - 04-Aug-2012 - CoC print         - AAFs(4)       - ATFs       Time zone Temp Logger ID Temp Logger Status       - 04-Aug-2012 - CoC print         - ABP Supplemental Report Form       - 04-Aug-2012 - CoC print       - 04-Aug-2012 - CoC print       - 04-Aug-2012 - CoC print						
- 04-Aug-2012 - Complete-Sample         - 16-Oct-2009 - Complete-Sample         15-Oct-2009 - Complete-Sample         - 15-Oct-2009 - Complete-Sample         - Tests(11)         Negative Findings         B-AAFs(4)         - ATFs         Whereabouts Failures(4)         B-ADRVs(2)             ADRVs(2)             Notification Details             Coc print             ATFs             B-Doct 2009 - Complete - Sample             ATFs             B-Doct 2009 - Complete - Sample             ATFs             B-Doct 2009 - Complete - Sample             ABP Supplemental Report Form					View Test	
- 16-Oct-2009 - Complete-Sample     - 15-Oct-2009 - Complete-Sample     - 25-Oct-2009 - Complete-		complete-sample(s) collected				
Samples (1)       Details       Comments       Participants       Activities(7)       Non-Conformities         B: AAFs(4)       Type       Sample Code*       Time of Collection*       Sent to Lab*         B: AAFs(4)       Blood passport       testchaya       05:00       WADA-AMA - Montreal,       CocC       print         Time zone       Temp Logger ID       Temp Logger Status       Time concertainty       CocC       print         ADRVs(2)       ABP Supplemental Report Form       Tormation       Tormation       Tormation       Tormation						
Image: Sample Code *       Time of Collection *       Sent to Lab *         Image: Sample Code *       Time of Collection *       Sent to Lab *         Image: Sample Code *       Sample Code *       Time of Collection *         Image: Sample Code *       Time of Collection *       Sent to Lab *         Image: Sample Code *       Image: Sample Code *       Time of Collection *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Sample Code *       Image: Sample Code *       Image: Sample Code *         Image: Samp			Comments Particip	pants Activities(7)	Non-Conformities	
Negative Findings     Type     Sample Code*     Time of Collection*     Sent to Lab*       Blood passport     testchaya     05:00     WADA-AMA - Montreal,     CoC     print       AFFs     Time zone     Temp Logger ID     Temp Logger Status       Whereabouts Failures(4)     ABP Supplemental Report Form     Time zone     Temp Logger Status						
Negative Findings     Blood passport     testchaya     05:00     WADA-AMA - Montreal,     CoC     print       AFs(4)     Time zone     Temp Logger ID     Temp Logger Status       Whereabouts Failures(4)     ABP Supplemental Report Form		Tuna Samala Ca	de* Time of Coller	tion* Sent to Lab*		
AAFs(4)     AFs     Time zone Temp Logger ID Temp Logger Status     Whereabouts Failures(4)     ABP Supplemental Report Form					treal, CoC print	
ATFs Comp Logger for Form Coger Status	⊞ AAFs(4)					-
ABP Supplemental Report Form	ATFs	Temp	Logger ID Temp Lo	ogger status		
ADKVS(2)	• Whereabouts Failures(4)					
Has the athlete been seated for ten minutes prior to blood collection?	ADRVs(2)					
Was the sample collected immediately following at least three consecutive days of competition (hemodilution expected)?	4 b					









#### DASHBOARD

- TESTING CENTER
- + PLAN AND MONITOR
  - BACK TO CLASSIC



#### Dashboard

Current year

Tests with Actions to be Taken

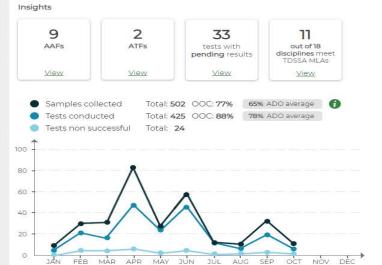


Last 12 months

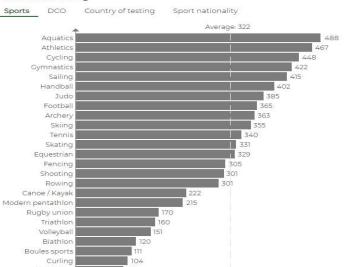
You need to confirm or reject match to make them disappear from the above list.

CREATE TEST	INGORDER				
Testing orders	Start date	End date	Sports	DCO name	
T - 123456 OOC	15-Oct-2018	31-Oct-2018	Athletics	White, John	
<u>T - 223322 OOC</u>	16-Oct-2018	25-Oct-2018	Aquatics	White, John	
<u>T - 333222 OOC</u>	17-Oct-2018	05-Nov-2018	Biathlon	Thorpe, Ben	
<u>T - 445522 IC</u>	30-Oct-2018	01-Nov-2018	Skiing	Lena, Muller	
T-2222 OOC	31-Oct-2018	02-Nov-2018	Skating	Lena, Muller	

View Testing center for a complete list of all tests.



#### Distribution of Testing



#### Active Testing Orders



TESTING CENTER

+ PLAN AND MONITOR

BACK TO CLASSIC



#### Dashboard

#### Tests with Actions to be Taken



You need to confirm or reject match to make them disappear

You need to confirm or reject match to make them disappea from the above list.

FEB MAR APR MAY JUN

CREATE TES	TING ORDER	J.				
Testing orders	Start date	End date	Disciplines	Country	SCA	
<u>T - 123456 OOC</u>	15-Oct-2018	31-Oct-2018	Throws, Jumps	Canada	CCES	
T - 223322 OOC	16-Oct-2018	25-Oct-2018	Marathon	Canada	CCES	
<u>T - 333222 OOC</u>	17-Oct-2018	05-Nov-2018	Ultra running	Australia	ASADA	
<u>T - 333333 IC</u>	04-Nov-2018	10-Nov-2018	Jumps, Half marathon, Road running, Throws, Ultra running	Germany	NADA	
<u>T - 44444 OOC</u>	17-Nov-2018	25-Nov-2018	Track	Germany	NADA	

View Testing center for a complete list of all tests.

DEC

NOV

Active Testing Orders

Current year Last 12 months

0

JAN



JUL AUG

SEP

OCT



## Laboratory - ADAMS Connectivity



- Optional LIMS-ADAMS API
  - Bi-directional exchange of data
  - WADA-led documentation and development support
- Doping Control Form (DCF) information
- Analysis Request information
- Analytical results
- BPLR



## Foundations for ABP module are now established



- Dashboard technology implemented to highlight key metrics
- Athlete Central optimizes location information
- Athlete Central to afford possibility of accurate altitude integration
- Paperless to expedite ABP data availability in ADAMS
- Lab API expedites data entry into ADAMS and mitigates DCF errors
- <u>API strategy will permit integration with alternative ABP visualization</u> and management software

### What will the new Module look like?



- New workflows for both steroidal and hematological modules
- Passport management tool to enable tracking, tagging and notation
- Dependencies on notifications removed in favor of Dashboards
- Visualization of passports will be reviewed (no more Java!) including possibility of layered data
- Simplified dashboard reporting and filtering

AND MONITOR	10 passports need to be finalised Show only	7 ATPF Show only	3 on the watchlist Show only							
	Filters Date range		o-2015 to 31-Oct-2018	(All-time)						
	88 athlete biologica	Assignment date	APMU	Passport status	Report status	Expert opinions	Urgency All 🔻	Days left	Tags	Actions
EL CA	BP - 1111	17-Oct-2018	Ghent, Belgium	ATPF	Unread	August and a second sec		0		View
	BP - 2222	18-Oct-2018	Montreal, Canada	ATPF	Information requested			0		View
	BP - 3333	23-Oct-2018	Montreal, Canada	ATPF	Unread			0		View
	BP - 4444	24-Oct-2018	Ghent, Belgium	ATPF	Draft	Suspicious		1		View
	112244	24-Oct-2018			Draft	Suspicious				
	223344	10-May-2017			Submitted	Likely doping				
	BP - 5555	24-Oct-2018	Seibersdorf, Austria	ATPF	Draft	Normal				View
	115555	24-Oct-2018			Draft	Normal				
	448855	20-Jun-2018			Submitted	Likely doping				
Ma	558899	08-Mar-2018			Submitted	Likely doping				
and a set	BP - 6666	26-Oct-2018	Tokyo, Japan	ATPF	Information received		<b></b>	3		View
	BP - 9999	27-Oct-2018	Tokyo, Japan	ATPF	Unread		•	4		View
	BP - 8888	24-Oct-2018	Tokyo, Japan	Normal	Draft	Suspicious	•			View
	BP - 5858	10-Sep-2018	Seibersdorf, Austria	Normal	Draft		•			View
	BP - 9595	15-Aug-2018	Seibersdorf, Austria	Normal	Unread		•			View
	BP - 8585	8-Jul-2018	Seibersdorf, Austria	Normal	Submitted	Normal				View

## How will this be achieved?



- Other modules have had the ABP in mind (paperless, test planning)
- UX design prioritized
- ADO, APMU, Lab and Expert Surveys and Interviews
- Availability of APIs in all modules to foster innovation
- Iterative development plan (MVP –followed by improved versions)



