



# Fencing competition management software [V5]

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## 1 Installation

BellePoule software has adopted the General Public Licence (GPL v3) and so is free to both use and distribute. Changes can be made to the software subject to those changes being made public.

BellePoule currently works with Windows and Linux operating systems; it has been translated into French, English, German, Dutch, Spanish, Portuguese, Italian, Arabic, Russian, Swedish, Japanese and Korean. The application will automatically default to the language set in the computer's regional settings.

The interface is automatically configured according to the language declared in the regional settings of the PC used. The language can be changed by clicking on the current language code displayed above the screen (for example: "en"). The application then needs to be restarted for the changes to take effect.

The application can be downloaded from <http://betton.escrime.free.fr/index.php/en/download.html>

## 2 Introduction

### 2.1 BellePoule overview

BellePoule is split into 2 applications: BellePoule and BellePoule-2D. There is also a mobile application: SmartPoule<sup>1</sup>, which is used to score fencing bouts electronically. For smaller competitions BellePoule can be run on its own or otherwise the BellePoule-2D application can be used to augment it when managing multiple pistes and referees.

#### 2.1.1 BellePoule

Further functionality becomes available when competitions are open within the application; however the top menu row allows the following:

- **File.** Creation of new competitions; opening of previous competitions; and activating back-up
- **Publication.** Providing website and social media information
- **En.** Selecting the language to use (requires a restart of BellePoule to take effect). The current language is shown (en)

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1 <https://play.google.com/store/apps/details?id=betton.escrime.smartpoule&hl=en>



- **BellePoule2D.** Synchronising with BellePoule-2D. This is only required when BellePoule-2D is running on a separate computer.

The main screen for BellePoule Supervisor is shown at Figure 1.

The screenshot shows the BellePoule2D interface. At the top, there are three tabs for different competitions: 'Cridlington Open Foil Female Senior' (red), 'Cridlington Open Epée Male Senior' (blue), and 'Cridlington Open Sabre Male Senior' (green). Below these are buttons for 'Save', 'Preferences', 'Previous round', and 'Next round'. A row of tabs shows the competition progress: 'Check-in', 'Pools arrangement Round #1', 'Pools Round #1', 'Pools arrangement Round #2', and 'Pools Round #2'. Below this is a row with 'Presents 32' and 'Absents 0', followed by buttons for 'Add', 'Remove', 'Import fencers', 'Import ranking', 'Data', and 'Print'. The main table lists fencers with columns for presence, last name, first name, date of birth, gender, club, league, country, ranking, and licence. A blue circle with the number 5 is placed over the 'league' column header.

presence	last name	first name	date of birth	gender	club	league	country	ranking	licence
<input type="checkbox"/>	Bracci	François	03/11/78	♂	MARSEILLE MI	🇫🇷	🇫🇷	22	90029
<input type="checkbox"/>	Battiston	Patrick	12/03/78	♂	METZ GARN	🇫🇷	🇫🇷	23	90068
<input checked="" type="checkbox"/>	Bossis	Maxime	26/06/78	♂	NANTES METRO	🇫🇷	🇫🇷	25	90065
<input type="checkbox"/>	Baratelli	Dominique	26/12/78	♂	NICE OGC	🇫🇷	🇫🇷	27	90023
<input type="checkbox"/>	Janvion	Gérard	21/08/78	♂	ST ETIENNE	🇫🇷	🇫🇷	29	90032
<input type="checkbox"/>	McQueen	Gordon	26/06/78	♂	Aberdeen City FC	🇬🇧	🇬🇧	1	90035
<input type="checkbox"/>	Buchan	Martin	06/03/78	♂	Aberystwyth FC	🇬🇧	🇬🇧	2	90062
<input type="checkbox"/>	Rioch	Bruce	06/09/78	♂	Belfast FC	🇬🇧	🇬🇧	3	90020
<input type="checkbox"/>	Dalglish	Kenny	04/03/78	♂	Culloden FC	🇬🇧	🇬🇧	4	90050
<input type="checkbox"/>	Rough	Alan	25/11/78	♂	Glasgow Univ. FC	🇬🇧	🇬🇧	10	90002
<input type="checkbox"/>	Jardine	Sandy	31/12/78	♂	Glasgow West End FC	🇬🇧	🇬🇧	11	90086
<input type="checkbox"/>	Masson	Don	26/08/78	♂	Leeds FC	🇬🇧	🇬🇧	16	90026
<input type="checkbox"/>	Donachie	Willie	05/10/78	♂	Manchester FC	🇬🇧	🇬🇧	21	90095
<input type="checkbox"/>	Jordan	Joe	15/12/78	♂	Newcastle FC	🇬🇧	🇬🇧	26	90047
<input type="checkbox"/>	Dietz	Berti	30/12/78	♂	Duisburger Fechtclub	🇩🇪	🇩🇪	5	90008
<input type="checkbox"/>	Zimmermann	Herbert	01/07/78	♂	Fechtclub Berlin Südwest E.V.	🇩🇪	🇩🇪	6	90041
<input type="checkbox"/>	Fischer	Klaus	27/12/78	♂	Fechtclub Leipzig E.V.	🇩🇪	🇩🇪	7	90053
<input type="checkbox"/>	Rüssmann	Rolf	13/10/78	♂	Fechtfreunde Münster	🇩🇪	🇩🇪	8	90074
<input type="checkbox"/>	Abramczik	Rüdiger	18/02/78	♂	FG Karlsruhe 1978 E.V.	🇩🇪	🇩🇪	9	90083
<input type="checkbox"/>	Kaltz	Manfred	06/01/78	♂	Hamburger Fecht-Club E.V.	🇩🇪	🇩🇪	15	90059

Figure 1: BellePoule main screen

1. **Competition tabs.** BellePoule runs multiple sub-competitions simultaneously. Each competition can have a colour-coded tab for easy recognition.
2. **Competition navigation and control bar.** Throughout the stages of the competition, this bar remains the same. Although BellePoule automatically saves the competition periodically, the user can save manually as well. The Preferences button allows the user to set the competition format as required. Once each stage is complete the user can then move to the next round. If an error has been made and the user has to return to the previous stage they are warned that all data for the round in progress will be lost.
3. **Competition stage tabs.** This bar creates tabs for each stage as the competition progresses. Figure 1 shows the Check-in tab; however, the competition has progressed through to the second round of poules. Information from any of the previous stage tabs can be viewed, but not altered.



4. **Stage-specific menu.** For each stage of the competition this bar will show relevant menu items. For instance during Check-in it allows the input of fencers; during the poules it can show the current seeding of fencers.

5. **Stage-specific information (main screen).** The main proportion of the screen is used to display data for that stage. During Check-in, double-clicking a fencer will open a new window to enable data to be changed, but during poules and Direct Elimination scores may be entered.

### 2.1.2 BellePoule-2D

BellePoule-2D allows the organiser to manage the competition with a timeline and piste-layout. Its top row menu options allow the following:

- **File.** As BellePoule-2D works through BellePoule the only option available here is to quit.
- **Referees.** Allows the printing of meal and payment vouchers and setting the wi-fi code to allow SmartPoule to be used for scoring.
- **En.** Selecting the language to use.
- **Bellepoule.** Providing an access code to synchronise with BellePoule. When the mouse is hovered over this menu option, the local IP and port of the computer is shown.

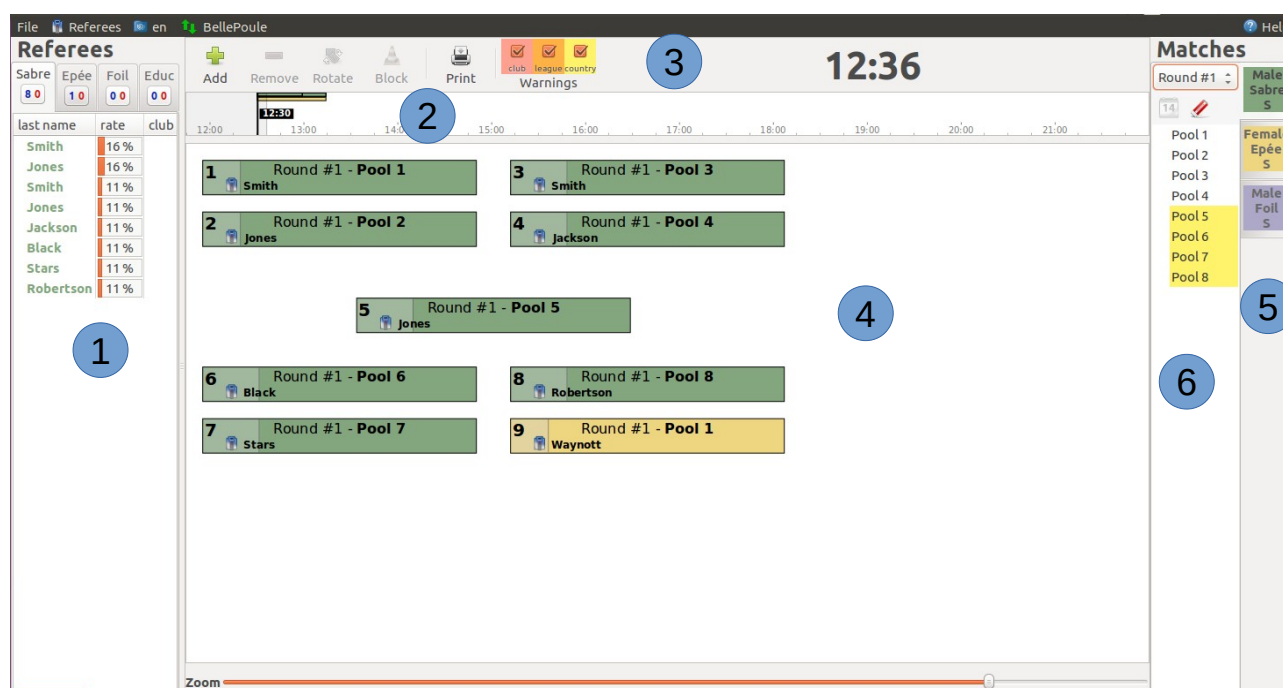


Figure 2: BellePoule2D main screen

1. **Referees tabs.** BellePoule assumes that referees may only be eligible to referee in one weapon and so separates the referees by weapon. Referees could appear in more than one weapon, but their details must be re-entered for the new weapon. Clicking on the present/absent icon for a weapon allows referee information to be entered.

2. **Time-line.** The time-line is used to plan out the competition day. Clicking on the time-line will move the black marker line and the main display will show what is happening at that time. Referees and pistes can be allocated for that time as well.



3. **Menu and warning bar.** The menu options are used to add, remove and rotate pistes. A piste can also be shown as unusable. The warnings for potential referee bias may be toggled on and off here.
4. **Main display.** The main display shows either the piste layout or referee information. Pistes can be click-and-dragged to show the representative layout for the sports hall. Double-clicking on a piste will show the poule members and referee on that piste, dependent on the time-line marker.
5. **Competition tabs.** The separate competitions are shown here. Selecting each competition will show the corresponding referees in the referee tab.
6. **Poule allocation area.** The referees can be automatically allocated here and then the pistes are colour-coded to show if a referee may have a bias towards participants in the poule. This would either be through nationality, region or club.

## 2.2 SmartPoule overview

SmartPoule can be used independently or whilst synchronised with BellePoule. Three of the 4 screens are shown at Figure 3 and they can be navigated by pressing the 4 icons at the bottom of every screen. The 4 screens have the following functions:

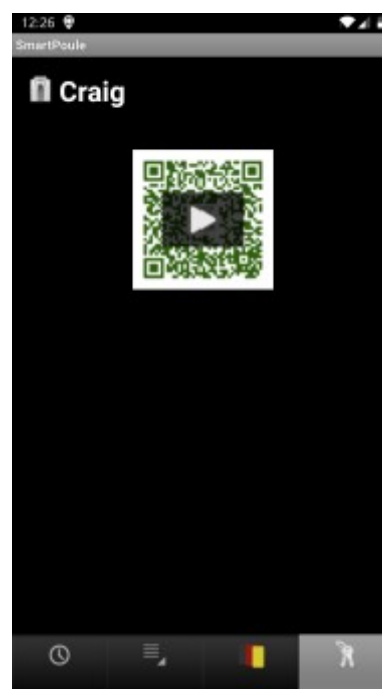
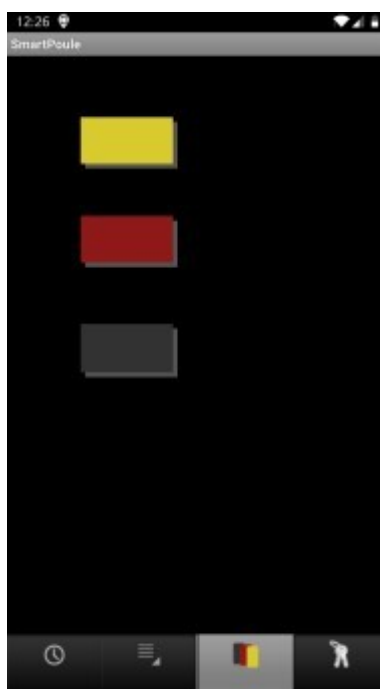
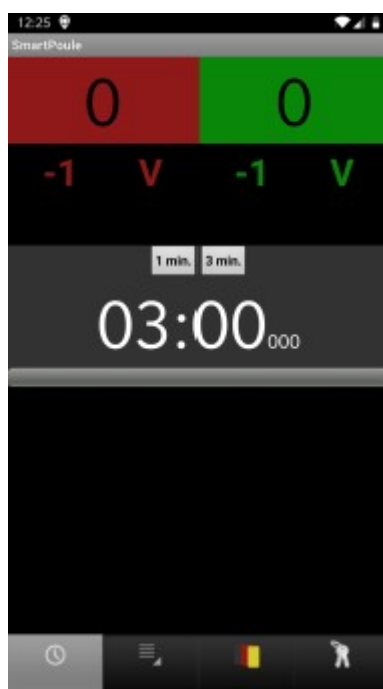


Figure 3: SmartPoule screens

- **Timing and scoring.** This screen can be used without BellePoule to time and score bouts. Each press on the timer will start then stop the countdown. The countdown can be set to a one-minute (for a break) or 3-minute period. Pressing either the red or green scoring box will increase the score for that fencer. The score can be reset by a long-hold on each scoring box. The V is only used when synchronised with BellePoule to inform the application that the bout has a victor with a partial score.
- **Bout list.** This screen is at Figure 25. Once the referee has scanned the poule sheet QR code the list of bouts and their order is passed to this screen. SmartPoule allows the bouts to be fenced in any order, but the official way should be to select the top bout and work down. Once a bout is complete the referee accesses the list to select the next bout. To close the list





press the cross on the top right. If there are still bouts to fence a warning will be given. If the warning is accepted these bouts would have to be manually entered into BellePoule.

- **Cards.** Selecting one of the card icons will turn the referee's screen to the chosen colour. This may then be presented to the fencer. The penalty must also be recorded on the score sheet as BellePoule will not automatically register this.
- **Scanning.** Pressing the 'play' icon activates the phone's camera which then searches for a BellePoule QR code. This is used for initially synchronising the referee; linking 2 computers together and receiving bout lists.

## 3 Preparation

### 3.1 Introduction

As mentioned, BellePoule can run purely on its own, BellePoule-2D is only required for larger competitions. These preparations can be completed prior to the competition start. Where referees and pistes are mentioned then BellePoule-2D will be required. Otherwise it can be assumed that the guidance applies to BellePoule.

#### 3.1.1 Using 2 computers

BellePoule and BellePoule-2D can be run from a single computer. For larger competitions, though, the 2 applications can be run on 2 computers that are on the same network. To synchronise the 2 computers, click on BellePoule2D and BellePoule to show the QR codes. Use the SmartPoule scanner on both QR codes to enable the computers to communicate with each other. This process is not required when only using one computer.



Figure 5: SmartPoule connecting 2 computers

Data to display			X
Visibility	Data	Look	
<input type="checkbox"/>	team	Long text	
<input type="checkbox"/>	weapon	Long text	
<input type="checkbox"/>	level	Long text	
<input type="checkbox"/>	rating	Long text	
<input type="checkbox"/>	incident	Graphic	
<input type="checkbox"/>	♥	Long text	
<input type="checkbox"/>	♣	Long text	
<input type="checkbox"/>	♠	Long text	
<input type="checkbox"/>	♦	Long text	
<input type="checkbox"/>	connection	Graphic	
<input checked="" type="checkbox"/>	presence	Graphic	
<input checked="" type="checkbox"/>	last name	Long text	
<input checked="" type="checkbox"/>	first name	Long text	
<input checked="" type="checkbox"/>	date of birth	Long text	
<input checked="" type="checkbox"/>	gender	Graphic	
<input checked="" type="checkbox"/>	club	Long text	
<input checked="" type="checkbox"/>	league	Graphic	
<input checked="" type="checkbox"/>	region	Graphic	
<input checked="" type="checkbox"/>	country	Short text	
<input checked="" type="checkbox"/>	ranking	Long text	
<input checked="" type="checkbox"/>	licence	Long text	
			X Close

Figure 4: Data choices

#### 3.1.2 Data options

The Data button is a menu option on both BellePoule and BellePoule-2D. It is useful when wanting to display particular information, especially when printing. Items can be ordered by dragging to the required position in the list. When a row is highlighted, clicking on the look column for that item will give a choice of Long text, Short text or a Graphic display of the information. The Graphic is useful for countries and leagues where a flag or emblem is available.

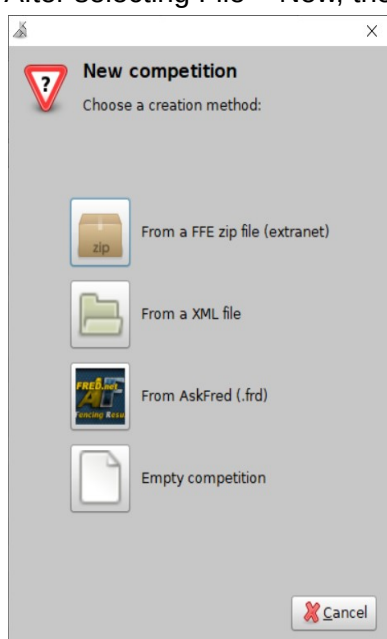


## 3.2 Creating a competition

A dedicated folder should be created on the BellePoule computer for each competition. This can contain all the sub-competitions such as age classes, separate weapons and gender. These can then be managed simultaneously using tabs within the application. Having launched BellePoule, there are 4 options to create a new competition. Effectively this is either by importing fencers from a list or starting a new competition from scratch. Once the fencers and referees have been imported the properties of the competition may still need to be entered: date, weapon, how many rounds of poules etc. As well as importing via the menu, <.cotcot> or <xml> files may be dragged and dropped onto the BellePoule application where they will automatically be loaded.

### 3.2.1 Competition input method

After selecting File > New, the following options appear:



- **From an FFE file (French Fencing Federation format).** This is the best method for events reported on the French Fencers Federation website (<https://extranet.escrime-ffe.fr/>). This file contains an <xml> file, the list of referees as a text file and the list of registered fencers in <fff> format. The XML file should contain the competition format as well.
- **From an XML file.** This will import the fencers and competition format.
- **From an AskFred file.** AskFred is a US format for entering fencer information.
- **Empty competition.** Once this is selected the competition properties can be entered. This can also be entered at any time subsequently by selecting the [Preferences] button.

Figure 6: New competition

### 3.2.2 Competition properties

The competition properties enables the organiser to enter the following details, some of which will appear as a header on all competition paperwork:

- The colour of the header banner
- The date
- The organiser and event name
- The weapon, gender and age category
- Labelling for splits
- Auto-generation of results. This must only be used when practising with the software and never at a competition. It will insert random results into the stage of competition that the application is at, for instance the poules, last-32, last-16 etc

Figure 7: Competition properties



Figure 8: Paperwork header

### 3.2.3 Competition formula

The second tab of the competition properties is the formula. This is used to enter the format:

- How many rounds of poules
- Deciding how many fencers go through at each stage
- Adding a split. This is useful where a combined poule is then split at the Direct Elimination stage, for instance due to age and/or gender. Multiple splits can be used to create a flexible competition
- The score for the Direct Elimination. This currently defaults to 10 and so will need to be changed to 15 for seniors and others

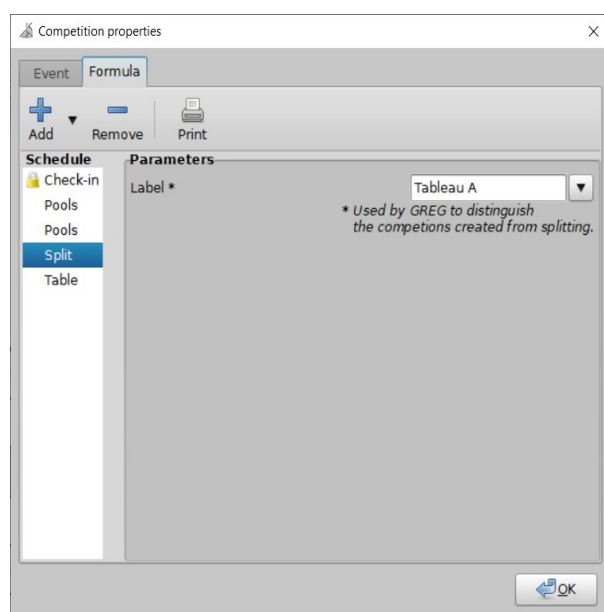


Figure 9: Competition formula

Check-in is always present. The key next to this signifies that this stage of the competition has been locked: in this instance the fencers have already been checked-in and are at the first poule. The formula can be altered throughout the competition, unless the fencers have already fought that stage of the event.

For the competition at Figure 10 a final number of 32 has been specified to go through to the Direct Elimination stage. The default is for 100% to qualify for the next stage. Be aware that if a split has been inserted after the final poule where a number

The formula at Figure 9 shows a competition with 2 rounds of poules, followed by 2 Direct Elimination competitions. The split will become a Direct Elimination, but requires a label if the competition results are posted onto a results hosting site and allows the results to be correctly categorised. This is especially important for some countries that stipulate that after fencing the poule round in Sabre, U-20 and U-17 are split into 2 tableau, A and B.

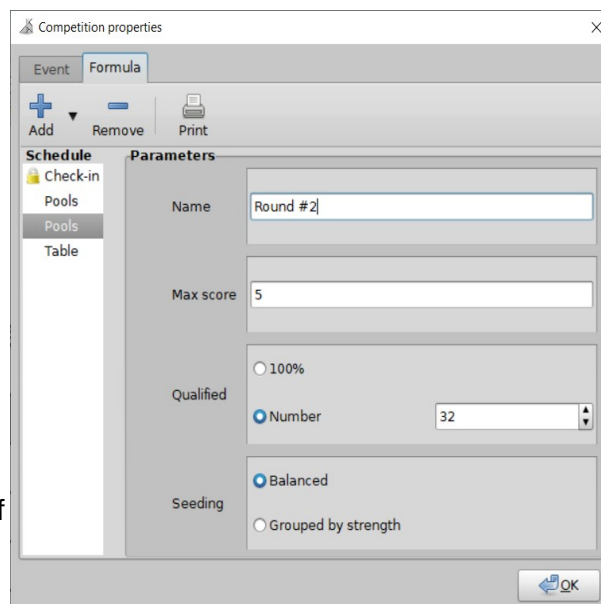


Figure 10: Poule qualification





of fencers has been specified, only the qualified fencers will be available to be selected for the split.

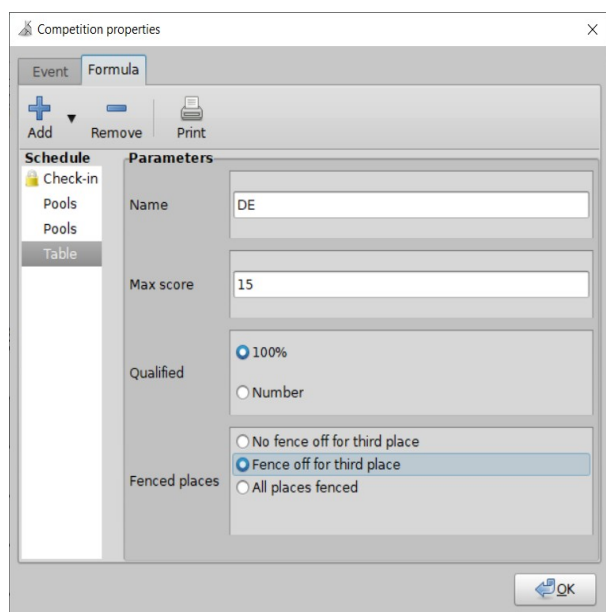


Figure 11: Direct Elimination options

The Max score may also be amended to allow a lower (or higher poule) score depending on age category. This is also useful for teams fencing each other to 45. As yet BellePoule cannot administer individual team fights (player rotations etc).

For the Table, the Max score can be amended (it defaults to 10) and the fenced places can also be specified. Be aware that fencing to specify all places will result in a large number of bouts; however these do not have to be fenced. They are just available to fence if required.

### 3.3 Publication of results

There are a number of ways to publish results from BellePoule. This can be achieved by posting a <html> file at the end of the competition that an internet browser can open to show the results. Another way is to post automatically to a website such as [www.escrime-info.com](http://www.escrime-info.com) or your own FTP server; however this will require conversion from the BellePoule's <cotcot> format into <html>

The details for <http://www.escrime-info.com/> are already stored in BellePoule and can be used free of charge in a similar way to other fencing software applications.

Twitter and facebook instructions will follow in a later edition of this manual.

Figure 12 shows that the video server is off. Clicking it on, the right-hand radio button, will allow any fencer on the same wi-fi network to access the results. A fencer just needs to browse to the BellePoule computer's IP address (eg 192.168.0.24) to see a list of the ongoing competitions and results. The local IP of the BellePoule computer may be found by hovering the mouse over the BellePoule2D menu option. An example display is shown at Figure 18.



Figure 12: Publication



### 3.4 Adding fencers

Fencers can either be added manually or from a file. This file could be <xml>, <fff> or <csv>.

#### 3.4.1 Importing fencers

To import fencers click on Import fencers on the main screen. This will then ask you select a file to import.

BellePoule has a <csv> template file available through Help > Fencer file template (.csv). The format is shown below. Either a comma or semi-colon may be used:

```
team; last name; first name; date of birth; gender; country;
region; league; club; licence; level; ranking; rating;
custom1; custom2; custom3; custom4;
```

BellePoule only recognises certain formats and names. For instance some of the names shown at Figure 1 are shown in text form below.

```
;Rough;Alan;25/11/78;M;GBR;;Scotland;Glasgow Univ. FC;90002;;10;;;;;
;Linderoth;Anders;21/03/78;M;SWE;;Gotland;Gotland GoFK;90005;;13;;;;;
;Dietz;Berti;30/12/78;M;GER;;Nordrhein;Duisburger Fechtclub;90008;;5;;;;;
;Baratelli;Dominique;26/12/78;M;FRA;AUVERGNE RHONE ALPES;PROVENCE;NICE
OGC;90023;;34;;;;;
```

Figure 14: Manually add fencer

The heading row should be included and will be ignored by BellePoule. Where there is no data a comma must be used to designate the empty information. Each fencer is separated by a new line. The custom designators will display as card-suit symbols and are useful for providing additional flexibility when separating competitors in a competition.

#### 3.4.2 Inputting fencers manually

To manually add a fencer, on the main screen, click on the plus symbol. This will then open a window as shown at Figure 14. For country, region, league and club the drop-down can be used to select the required data. The drop-downs for league and club information has only been populated for some countries (eg France, UK, Germany).

If a fencer's details need to be amended, their entry on the main screen can be double-clicked to bring up this window with their information available.

If some data fields are not required, they may be unticked and when tabbing between fields, the unticked fields will be ignored. These preferences will apply to subsequent Add fencer windows.



Figure 13: Video server results



### 3.5 BellePoule-2D competition preparation

When preparing referees and pistes, BellePoule-2D can be run in isolation from BellePoule. Invariably, though, BellePoule will be required to be running to understand how many referees and pistes will be required to accommodate the competitions being organised.

#### 3.5.1 BellePoule-2D adding referees from a file

There is a reduced data requirement for <csv> files for referees. The only data required is:

last name, first name, club, league, country

To access the referee screen for a particular weapon, click on the blue/red present/absent numbers circled in Figure 15. This will bring up the referee screen as shown in Figure 16.

Click on Import referee file to select a file to import. The connection column is used when the referees are connected via the SmartPoule app. Double-clicking on a referee will open their details window with a QR-code that can be scanned by the referee's SmartPoule app to synchronise data.

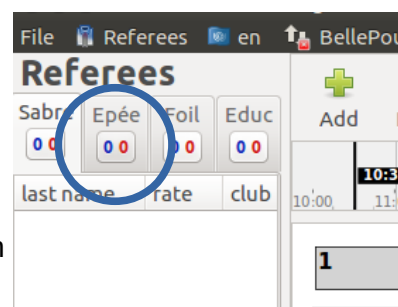


Figure 15: Accessing referees screen

connection	presence	last name	rate	country	league	club
	<input type="checkbox"/>	Jackson	0 %			Abingdon FC
	<input type="checkbox"/>	Smith	0 %			Belfast FC
	<input type="checkbox"/>	MacDonald	0 %			Chelsea FC
	<input type="checkbox"/>	Davidson	0 %			Durham Phoenix
	<input type="checkbox"/>	Kinear	0 %			Heriot Watt Univ. FC
	<input type="checkbox"/>	Davis	0 %			Leeds FC
	<input type="checkbox"/>	Craig	0 %			Nottingham Cavaliers
	<input type="checkbox"/>	Purdy	0 %			Oswestry FC
	<input type="checkbox"/>	Haversham	0 %			Ipswich FC

Figure 16: Referees screen

#### 3.5.2 BellePoule-2D organising pistes

Pistes can be added and removed from the BellePoule-2D menu. The pistes can be arranged horizontally or vertically. There is no need to be too accurate on the plan; however a display of the pistes is useful for competitors and referees to be able to orientate themselves.

### 3.6 SmartPoule requirements for competitions

SmartPoule is an Android application available from the Google Play store. It allows referees to receive bouts associated with a piste straight to their phone. Prior to use, the wi-fi network will need the following:

- Run a WPA2 network with AES encryption (most modern networks do this as standard)
- All devices and computers need to be on the same network



- The wi-fi router needs to allow access to ports 35830 and 35831. This is accessed on the router's configuration webpage and may appear as port triggering, port filtering or similar.

### 3.7 SmartPoule synchronising referees

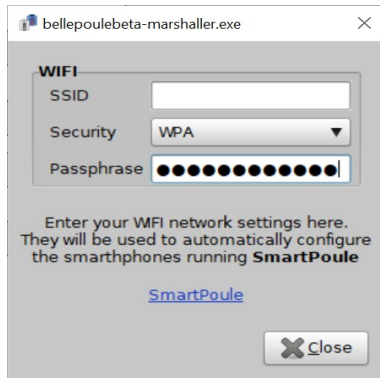


Figure 17: Setting up wi-fi

On BellePoule-2D select Referees > WiFi. Enter the wi-fi details that the competition will run on. If the referees already have the wi-fi network set up on their phones, the SSID (Network name) is not required. From the Referees screen, as shown at Figure 16, double-click on the required referee. Allow the referee to scan the QR code with their SmartPoule app. The connection icon will include a green tick to show that BellePoule has connected to the phone as shown in Figure 19. Now, when the referee scans the QR code on their poule or match sheets, they will receive a list of bouts. When scores are kept using the SmartPoule app they are automatically

updated in BellePoule.

Paper records should be kept as well in case of power failure or to record yellow/red cards. When practising with the software, print-to-file or print-to-pdf can be used to save ink and paper.

## 4 Running a competition

### 4.1 Check-in

#### 4.1.1 Checking in fencers

The fencers can be individually checked-in by ticking the presence column on the main screen. The organiser may also select one fencer and then can select multiple other fencers in the following ways:

- Press Ctrl and 'a' to select all fencers
- Press Ctrl and then select other fencers by clicking on their names
- Press Shift and then click on another fencer to select all the fencers included between the 2 original fencers

Once selected, any action will apply to all those fencers. The organiser may also choose to select all on the Presents option in the stage-specific menu. This will cause all the fencers to be marked as present and entered into the competition. Any absent fencers can then be manually deselected. Once the organiser is content, they can select next round.

#### 4.1.2 BellePoule-2D checking in referees

Referees are checked-in in the same way that fencers are

### 4.2 BellePoule-2D assigning pistes and referees

If BellePoule-2D is running then after each stage a Referees allocation ongoing message will appear on the control and navigation bar of BellePoule. This is shown at Figure 19. This is the cue to examine BellePoule-2D.

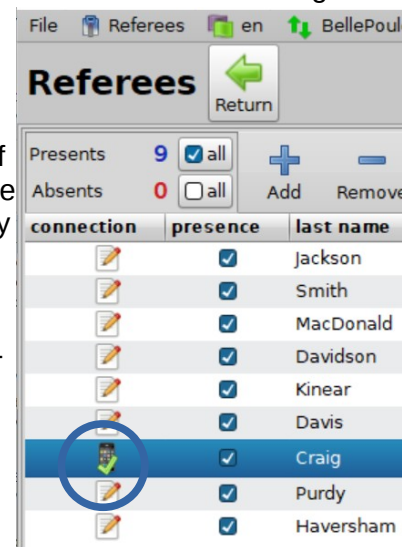


Figure 18: Referee connected

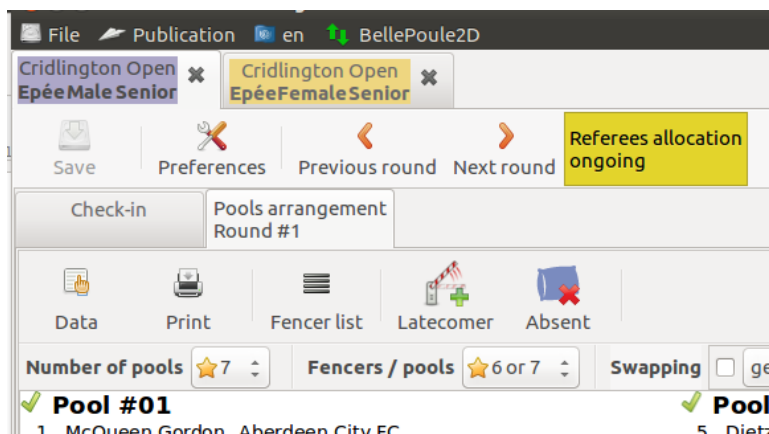


Figure 19: Referees allocation ongoing

For the competition being run at Figure 20, it can be seen that 2 sub-competitions are open in BellePoule: Male epee S(enior) and Female Epee S(enior). The inverted red triangles with a question mark on each competition tab show that pistes and referees still need to be assigned to both competitions.

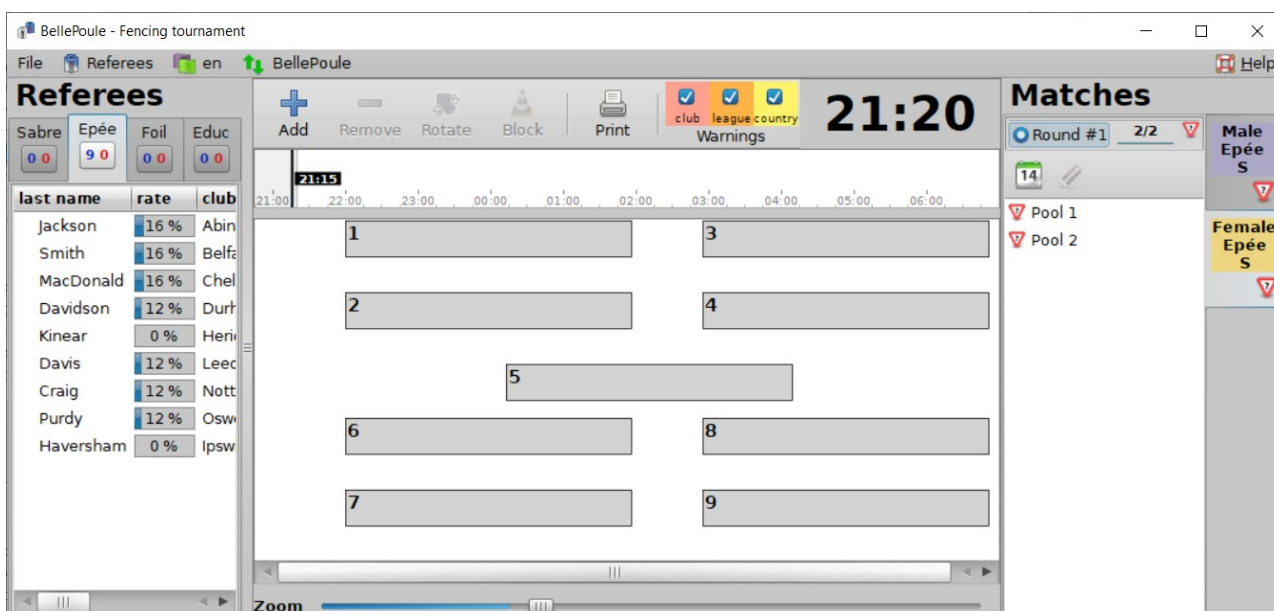


Figure 20: Allocating pistes and referees

#### 4.2.1 Automatic assignment of referees and pistes

For the Female Epee tab at Figure 20 there are 2 poules that need to be organised. Clicking on the green calendar icon will bring up an options window for allocating referees and pistes. Pistes can be selected prior to clicking on the icon; this is done by holding Ctrl and clicking the required pistes in turn. The same thing can be done for the referees. This is useful for when you want a named referee to be allocated to a specific piste. Once complete a colour-coded bar will appear on the timeline. Pistes may also be selected by clicking, holding and drawing a rectangle over the required pistes. An individual piste may then be deselected by pressing Ctrl and then clicking on it.

If the timeline marker is set to a time where pistes are in use, the bouts will be programmed to commence on the completion of the current round. The software calculates the duration of a poule by the

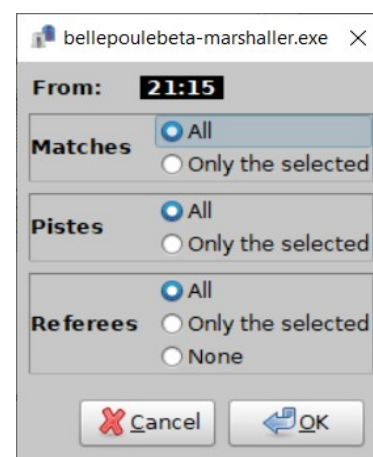


Figure 21: Assignment dialogue





number of fencers, but it will always be a multiple of 15 minutes. A Direct Elimination bout is calculated at 15 minutes.

Double-clicking on a piste that has bouts assigned to it will bring up a window showing the fencers on that piste and the referee.

#### 4.2.2 Manual assignment of referees and pistes

It is important to assign bouts to pistes first as referees can only be assigned to bouts (on a piste). To assign a bout to a piste, drag one of the unassigned bouts onto a piste. In Figure 20 it would either be Pool 1 or Pool 2. The piste will then change colour to reflect the colour-coding of the competition. A referee can then be dragged from the referee list to a piste. To select multiple pistes use a mouse to draw an oblong that will select all pistes under it; otherwise click each required piste whilst pressing Ctrl.

#### 4.2.3 Amending pistes and referees

Once allocated, there are several ways to examine and amend the data. This can be double-clicking either on a referee's name, a piste or a match/poule.

In Figure 22, piste 5 has been double-clicked. It brings up the piste information and the green arrows have 2 methods of operation. If there are no bouts planned before or afterwards on the pistes the arrows are used to move between pistes that are in the same competition. Otherwise the arrows show subsequent and preceding activity on that particular piste.

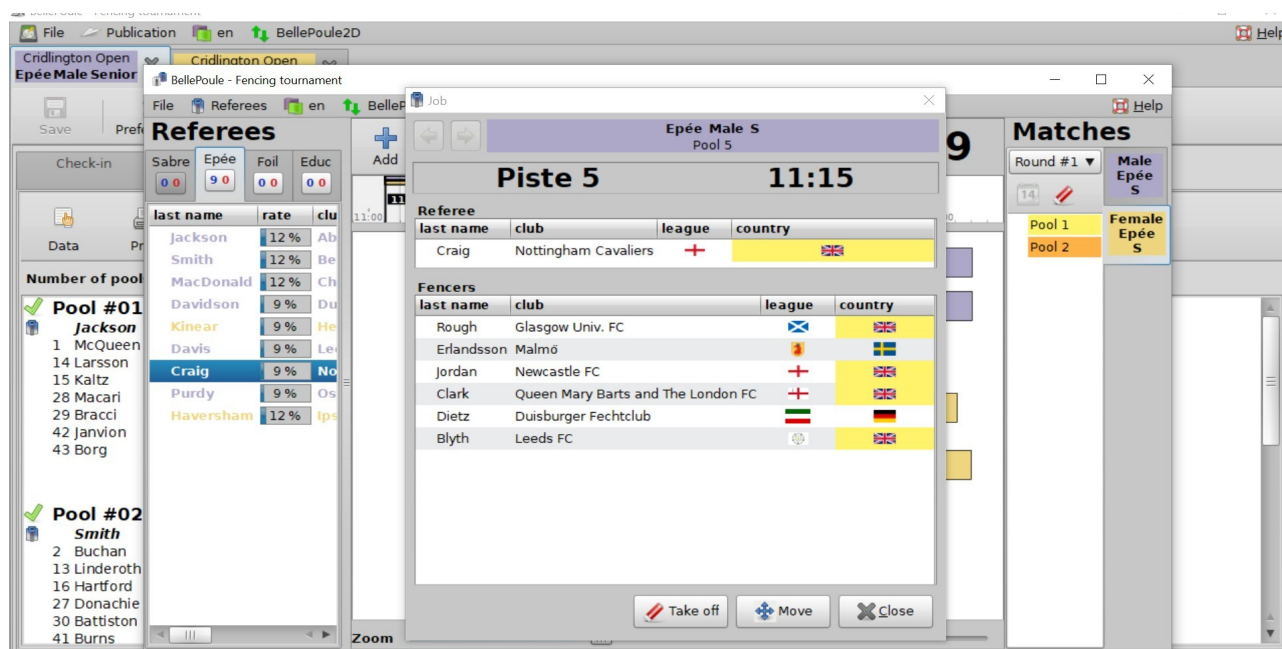


Figure 22: Adjusting pistes and referees

To remove a referee from a piste, right-click on the referee and select remove. Selecting Take-off will remove the activity and referee (if allocated) from that piste and they will be unassigned. Selecting Move will bring up the piste-layout and an unused piste can be clicked. The activity and referee will move to the new piste leaving the original piste empty.



### 4.3 Poule stage

Once the referees and poules have been assigned, the yellow 'Referees allocation ongoing' notification will disappear from BellePoule. If BellePoule-2D is not in use, this notification will not

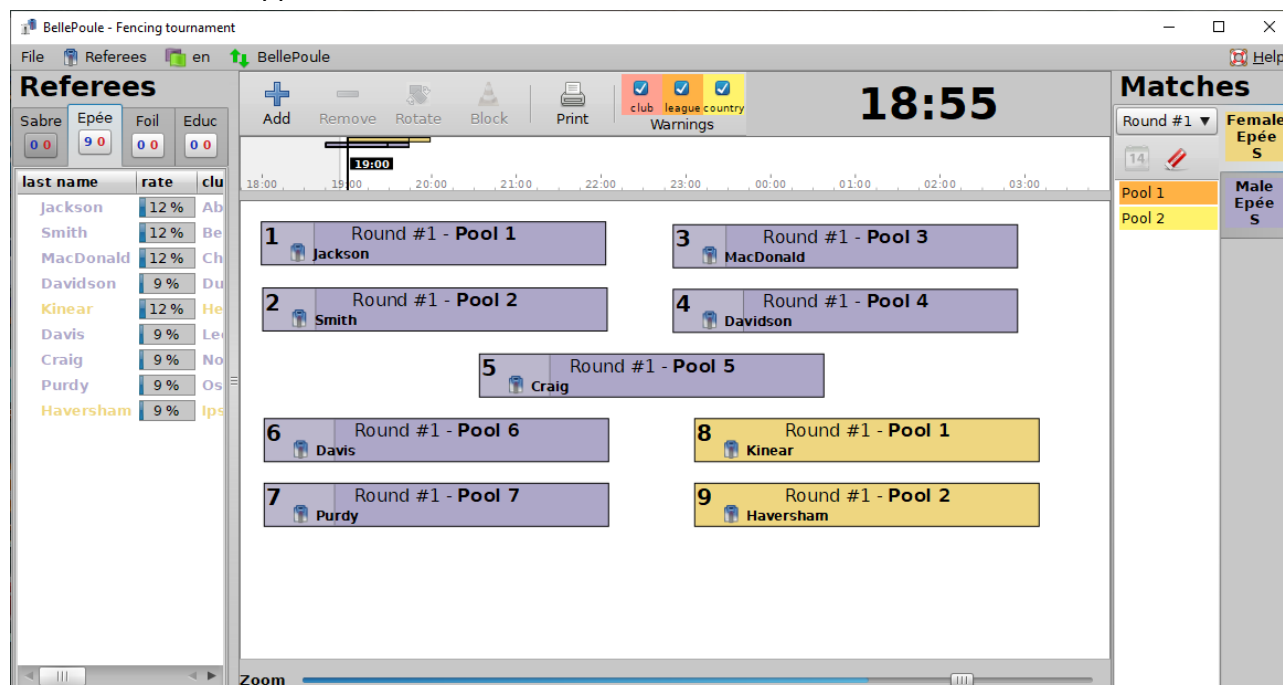


Figure 23: Allocated pistes

appear at all. Click on Next round to move to the next stage. After each round, if BellePoule-2D is in use, then referees and pistes will need to be allocated for that round.

#### 4.3.1 Entering scores

Scores can either be entered automatically via the SmartPoule app or manually by clicking in the boxes and entering the scores. BellePoule assumes that scores will be read from a printed poule sheet and so will move left to right, row by row. Every bout will need a winner and if an error is detected the 2 boxes will be highlighted red to allow correction. The following scores are allowed:

- Entering a V or 5 for victory
- A part-score victory is entered as W1, W2, W3 or W4
- Entering 0, 1, 2, 3 or 4 for the losing score

Each poule is selected through the drop-down menu on the top left of the main screen. Fencers can be shown as being black-carded or having withdrawn through injury. This is through the status drop down to the right of the poule grid. Once all the poule information is entered, click on Next Round.

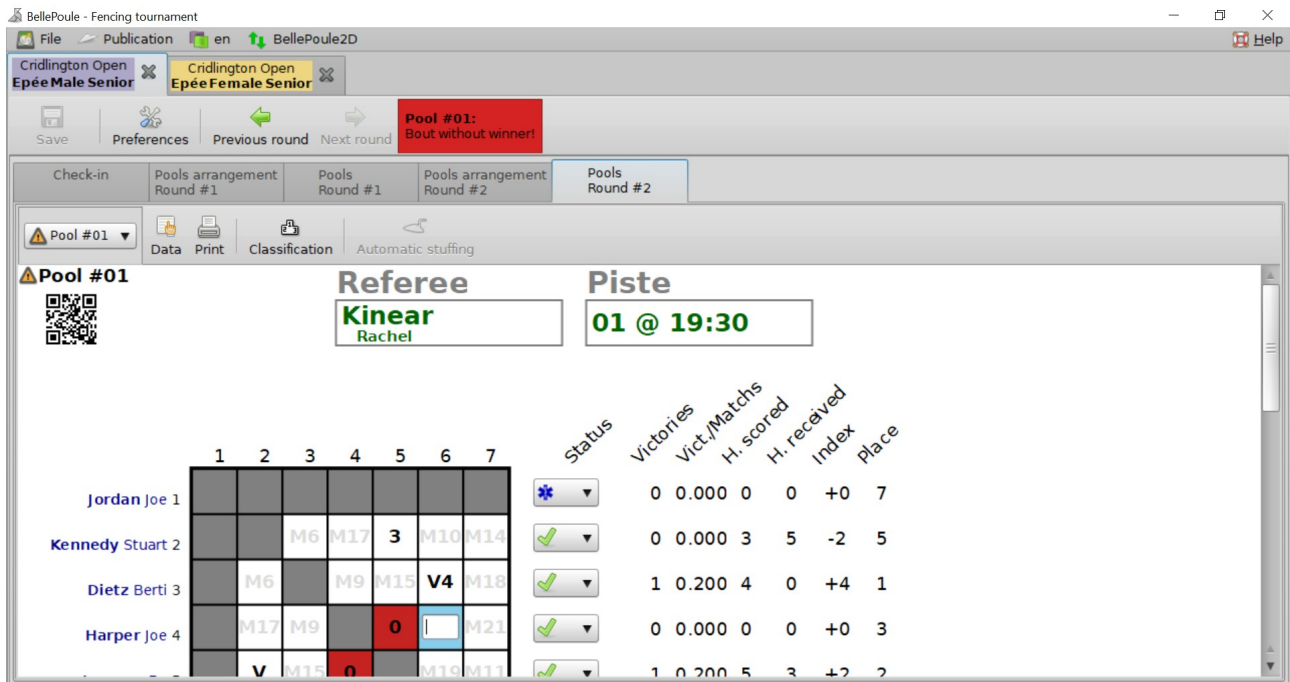


Figure 24: Poule scoring and withdrawals

### 4.3.2 SmartPoule scoring

The referee scans the QR code in the top left of the printed poule sheet. This will transfer all the bouts to their phone as shown in the left image of Figure 25. Each bout can be clicked on to move to the match scoring screen as seen in the middle image. It is important that fencers take their position on the piste correctly relative to the scoring app so that the risk of the referee scoring the wrong player is reduced. Poules should be played in order, but SmartPoule allows flexibility in the order to allow for injury etc.

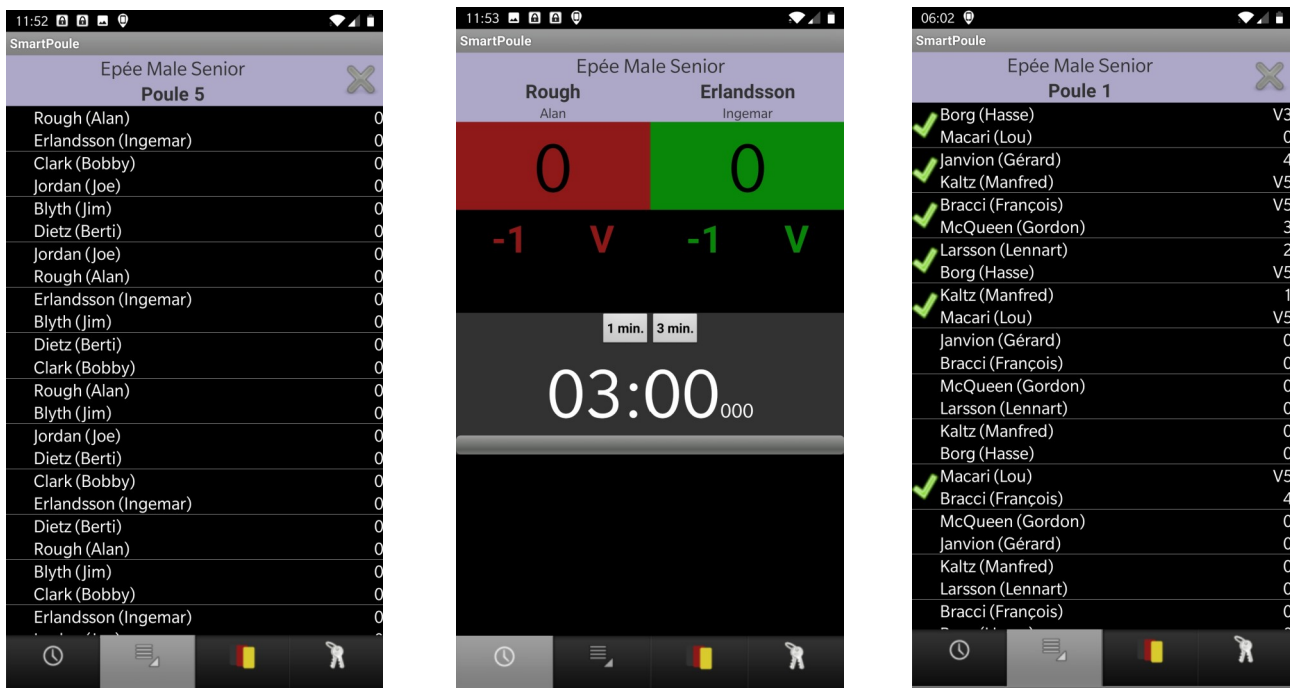


Figure 25: SmartPoule poule screens



### 4.3.3 Classification after the poules

Once the poules are complete, the ranking of the fencers can be displayed by clicking on Classification. The Combined classification tab will give the score from all poule rounds. This is shown in Figure 26.

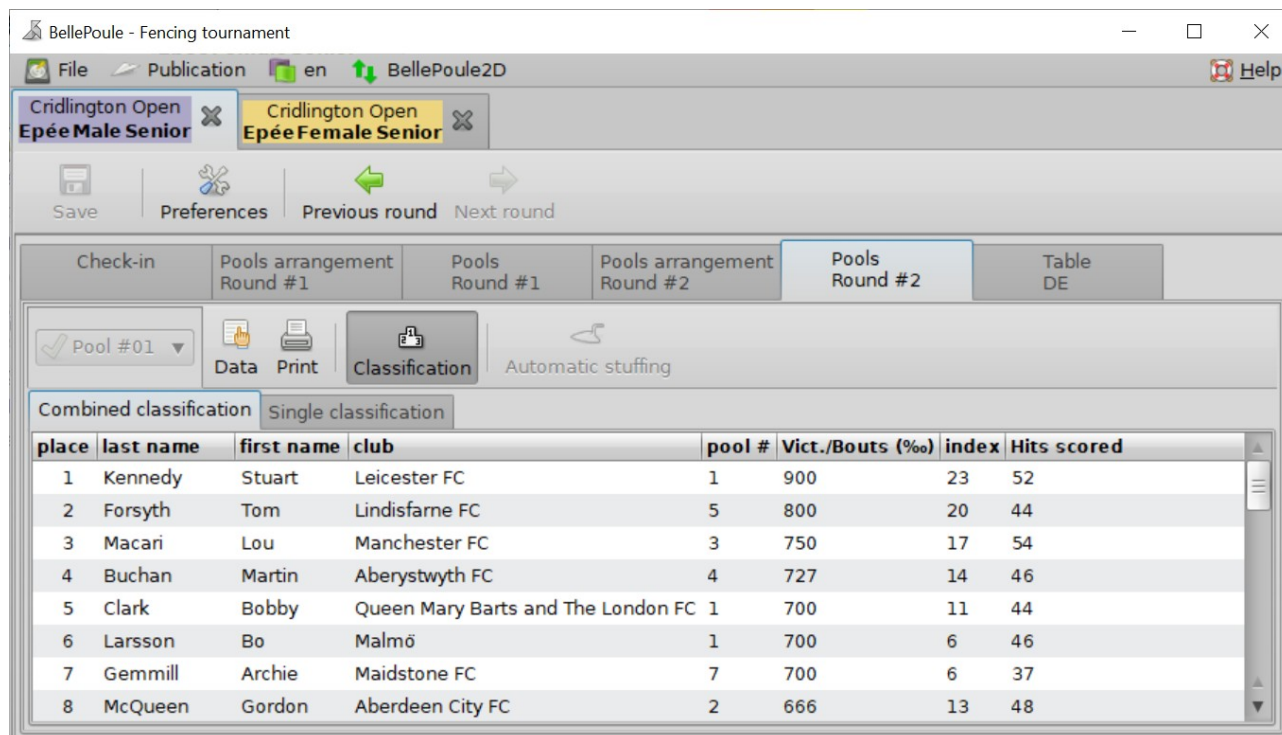


Figure 26: Poules classification

## 4.4 Splits

Splits are used when there is a combined poule, which might contain male, female, senior and junior fencers. A split is inserted after the poules and allows a separate Direct Elimination round for each category or gender.

When the split is reached, a new check-in page will allow the competitors to be selected for the separate competition.

There will be a need to create properties to give the competition a title and to insert scoring requirements for the Direct Elimination. BellePoule will then allow the competition to be saved. This competition will then have its own tab on the BellePoule main screen.

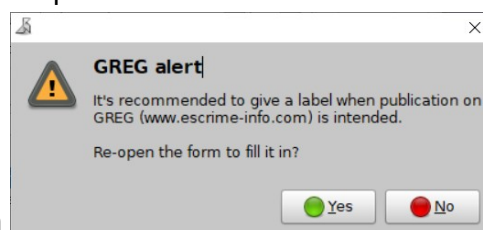


Figure 27: Split alert

At Figure 28 a combined poule of men and women has just completed their poule stage. After entering the results of the poules and clicking Next round, the Split tab becomes available where the fencers to be separated can be selected. Once ticked, BellePoule will move the fencers to place them together in seeded order. Once Next round is clicked again the Preferences window will open where the name of competition and details can be entered. The new competition can then be saved. BellePoule will then run with an additional tab for the split-off fencers. Multiple splits can be entered. Some fencing results sites require a Tableaux A and B differentiator so BellePoule will warn if this is not complete. It is not required for non-published competitions.



Check-in

Pools arrangement Round #1

Pools Round #1

Pools arrangement Round #2

Pools Round #2

Split

Data

Print

exported	Round start rank	last name	first name	date of birth	gender	club	country	licence
<input checked="" type="checkbox"/>	2	Jenson	Jade	22/02/87	♀	Nottingham Univ		900024
<input checked="" type="checkbox"/>	3	Furneth	Deb	22/02/88	♀	Aberystwyth		900025
<input checked="" type="checkbox"/>	5	Jones	Mary	22/02/85	♀	Glasgow West End FC		900022
<input checked="" type="checkbox"/>	14	Smith	Jess	30/01/85	♀	Cardiff Univ.		900032
<input checked="" type="checkbox"/>	17	Zeiss	Ingrid	17/05/89	♀	Dortmunder TG		900057
<input checked="" type="checkbox"/>	18	French	Jane	04/02/85	♀	Cardiff FC		900027
<input checked="" type="checkbox"/>	20	Bateu	Juliette	11/01/88	♀	PARIS BDF		900063
<input checked="" type="checkbox"/>	28	Tourney	Marie	21/09/88	♀	PARIS BDF		900059
<input checked="" type="checkbox"/>	30	Staines	Tamara	27/01/85	♀	North Kesteven FC		900008
<input checked="" type="checkbox"/>	45	Wilson	Sarah	14/02/85	♀	Glasgow West End FC		900024
<input checked="" type="checkbox"/>	47	Fiennes	Rachel	22/02/86	♀	Nottingham Cavaliers		900023
<input checked="" type="checkbox"/>	55	Hockney	Clare	01/02/85	♀	Univ. of Stirling FC		900014
<input checked="" type="checkbox"/>	56	Kreiss	Hilda	17/11/89	♀	Dortmunder TG		900061
<input type="checkbox"/>	1	Johnston	Willie	19/12/78	♂	Lancashire Sword		90101
<input type="checkbox"/>	4	Donachie	Willie	05/10/78	♂	Manchester FC		90095
<input type="checkbox"/>	6	Rough	Alan	25/11/78	♂	Glasgow Univ. FC		90002
<input type="checkbox"/>	7	Maier	Sepp	28/02/78	♂	MTV 1879 München		90089
<input type="checkbox"/>	8	Souness	Graeme	06/05/78	♂	Oban FC		90122
<input type="checkbox"/>	9	Macari	Lou	07/06/78	♂	Manchester FC		90116
<input type="checkbox"/>	10	Nordqvist	Björn	06/10/78	♂	Gotland AFS		90014
<input type="checkbox"/>	11	Gemmill	Archie	24/03/78	♂	Maidstone FC		90113
<input type="checkbox"/>	12	Hartford	Asa	24/10/78	♂	Knightsbridge FC		90098

Figure 28: Competition split

## 4.5 Barrage

If a number to qualify has been specified within the poule preferences and the poule rankings do not make it possible to automatically continue, BellePoule will propose a barrage to decide who goes through. If accepted, the list of tied fencers is displayed and the fencers to qualify for the next round may be chosen, according to a rule previously defined by the organizer (best original classification, draw, bouts ...). The initially set quota can also be exceeded. In the case of no action, BellePoule exceeds the quota.

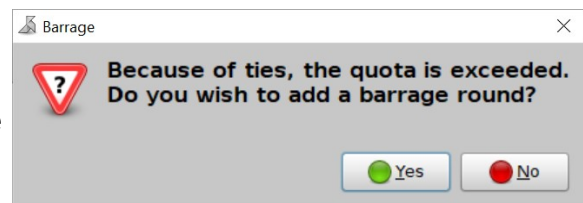


Figure 29: Barrage notification










Check-in	Pools arrangement Round #1	Pools Round #1	Barrage	Table		
Promoted  10						
Eliminated  3						
<div> Data</div> <div> Print</div> <div> Classification</div>						
promoted	last name	first name	date of birth	gender	club	country
<input checked="" type="checkbox"/>	Tourney	Marie	21/09/88		PARISÂ BDF	
<input type="checkbox"/>	Jenson	Jade	22/02/87		Nottingham Univ	

Figure 30: Barrage selection





## 4.6 Direct Elimination round

### 4.6.1 Printing the tableaux

The tableaux for the Direct Elimination stage is printed from the Print button on the stage-specific menu bar. The number of bouts on each sheet can be varied between 4, 8 and 16. A larger number will result in fewer pages needing to be printed; however, a lower number will make for a clearer tableaux.

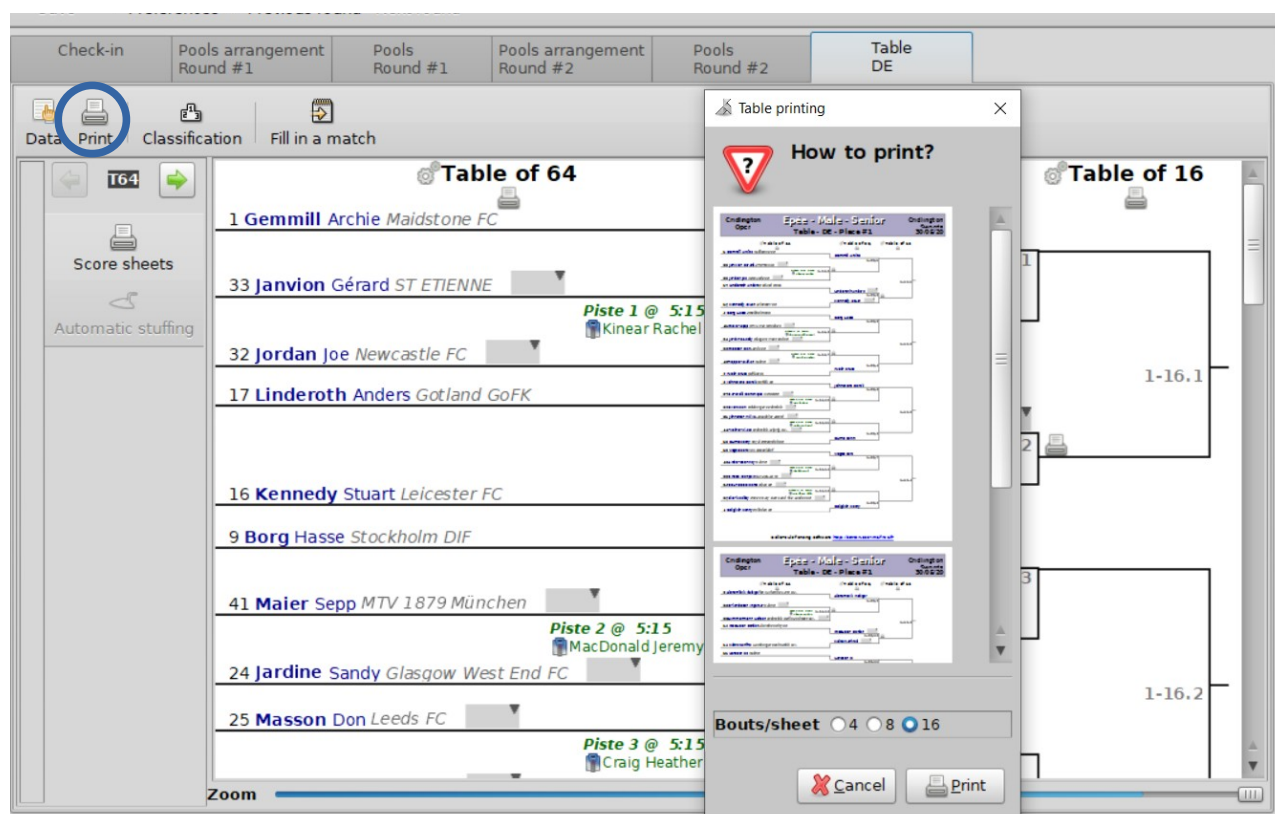


Figure 31: Printing the tableaux

### 4.6.2 Navigating the Direct Elimination stage

On the left hand side of the main screen there are green arrows to navigate through the competition. The title between the arrow will give the stage for instance T64, T32 for last-64 or last-32 respectively

### 4.6.3 Printing bout sheets

Score sheets for the Direct Elimination stage can be printed out in several ways. To print out an individual score sheet for a bout, click on the printer symbol at the side of the bout; to print out all the bouts for that particular stage press the printer icon on the main screen under the Table of XX or click the printer icon marked score sheets on the left of the main screen. The options for printing are shown at Figure 32.

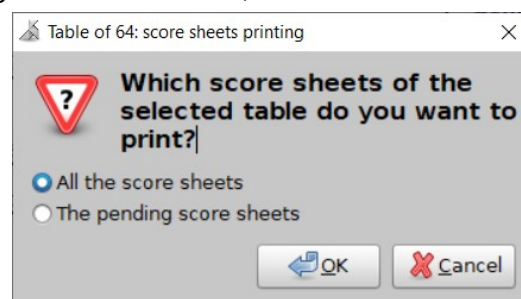
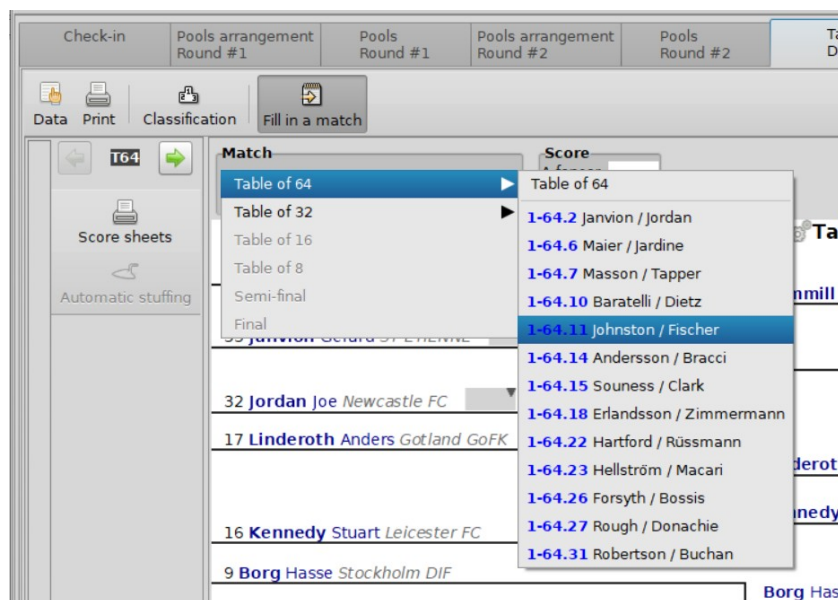


Figure 32: Printing score sheets



Selecting All the score sheets will print all score sheets for that round, including those that have already been fought. Selecting pending score sheets will only print those fights that have yet to be decided.

#### 4.6.4 Entering Direct Elimination scores



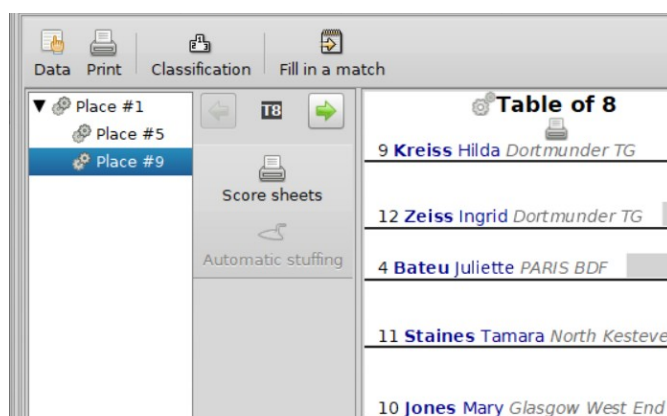
Scores can be entered directly into the boxes on the main screen, via the SmartPoule app or otherwise by selecting Fill in a match on the stage-specific menu bar.

Figure 33: Fill in a match

#### 4.6.5 Amending referees and pistes

During the poule stages, referees and pistes can be altered from BellePoule-2D. During the Direct Elimination stage the request has to come from the BellePoule application. Clicking on Redo assignment will allow the organiser to change referees and pistes in BellePoule-2D.

#### 4.6.6 Fencing additional places



In Preferences, if all places fenced has been selected then as the tableaux progresses, additional bouts will become available to manage. A new panel to the left of the main screen will allow the organiser to manage these additional bouts in the usual way.

Figure 34: fencing additional places

## 5 Finishing the competition

Once the Direct Elimination phase is complete and Next round is selected, the General classification tab becomes available.



Check-in	Pools arrangement Round #1	Pools Round #1	Pools arrangement Round #2	Pools Round #2	Table DE	General classification
Data	Print	Export to HTML	Export to FFF	Export to PDF	Export to FRD	
place	last name	first name	club	league	country	licence
1	Dietz	Berti	Duisburger Fechtclub			90008
2	Kaltz	Manfred	Hamburger Fecht-Club E.V.			90059
3	Kennedy	Stuart	Leicester FC			90107
4	Nordqvist	Björn	Gotland AFS			90014
5	Larsson	Bo	Malmö			90017
6	Clark	Bobby	Queen Mary Barts and The London FC			90128
7	Rioch	Bruce	Belfast FC			90020
8	Bonhof	Rainer	TG Witten			90071

Figure 35: General classification

The results can be exported as a PDF or html for reading on browsers. It can also be exported in <fff> format for national rankings.

## 6 Credits

### 6.1.1 Development and testing

Florence Blanchard; Laurent Bonnot; Tony (ajs New Mexico); Emmanuel Chaix; Julien Diaz; Olivier Larcher; Yannick Le Roux; Jean-Pierre Mahé; Pierre Moro; Killian Poulet; Michel Relet; Vincent Rémy; Tina Schliemann; Dom Walden; Claude Simonnot; Sébastien Vermandel;

### 6.1.2 Creator and Coding

Yannick Le Roux

### 6.1.3 Translations

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