



Capacity Building for Local Flood Risk Management
Interim Project Appraisal Report: 2013
Appendices

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Appendix A

2013 Survey Questionnaire

Summary of the 2013 Questionnaire

1. Which lead local flood authority do you represent?

2. Which Environment Agency region are you based?

Anglian, Midland, North West, South West, Yorkshire & North East, South East, Wales.

3. Please indicate your skill areas

- Asset management
- Drainage engineering
- Civil contingencies/ emergency planning
- Highways
- Spatial planning
- Senior / executive management
- Local Flood Risk Management
- Other (please specify)

4. Please indicate your age group

Under 20 21-25 26-30 31-40 41-50 51-60 61+

5. How many years professional experience do you have?

0-5yrs 6-10yrs 11-15yrs 16-20yrs 21+yrs

6. How many years of experience do you have working in flood risk management?

0-5yrs 6-10yrs 11-15yrs 16-20yrs 21+yrs

7. What percentage of your role do you estimate involves local flood risk activities?

100% 80% 60% 50% 40% 20% 10% <10%

8. Please select any qualifications you hold

- No formal qualifications
- HND/HNC or similar
- Foundation degree
- Bachelors/masters/other post graduate degree

9. Are you a member of a professional Institution?

Yes / NoIf yes, which professional body and level of accreditation is it (e.g. Institution of Civil Engineers - chartered member (MICE))?

For the following questions 10 to 19, the definitions for the rating scale are provided in the table below:

Aware – a rudimentary knowledge at an awareness level but would not be able to make a contribution in this area. Would rely on procedures, manuals, Manager, other team members etc. for guidance and instruction
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Basic – a basic knowledge, enough to be contributing in this area from time to time with some supervision. Is not required or not currently a core part of everyday role.
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Capable – have the pre-requisite knowledge essential to perform effectively and consistently on a day-to-day basis unsupervised. Can cope with standard problems /common situations
Distinguished – particularly knowledgeable in this area. Copes easily with unusual/non-standard problems and issues and is aware of alternative options and approaches to situations. Routinely provides high standards of guidance, instruction and advice to others
Expert – an unsurpassed depth of knowledge in this area. Widely regarded as a leading authority from whom others can learn. Consulted both from within and outside your local authority.

- 10. Which description best fits your current level of understanding of the Flood and Water Management Act (2010)?**
- 11. Which description best fits your current understanding of local authority responsibilities in relation to local flood risk management?**
- 12. Which description best fits your current level of understanding of the Flood Risk Regulations (2009)?**
- 13. Which description best fits your current level of expertise in developing and delivering a Local Flood Risk Management Strategy?**
- 14. Which description best fits your current management skills (including leadership, negotiating, partnerships & communications)?**
- 15. Which description best fits your current level of expertise in Sustainable Drainage Systems (SuDS), including the role of the SuDS Approval Body and the emerging national standards?**
- 16. Which description best fits your current level of expertise in GIS mapping and data management?**
- 17. Which description best fits your current knowledge/skills to carry out your flood risk enforcement and consenting role?**
- 18. Which description best fits your current knowledge/skills for the application of the partnership funding requirements to deliver projects?**
- 19. Which description best fits your current knowledge/skills to develop and appraise projects and to prepare your Medium Term Plan?**
- 20. Which description best fits your current ability to designate and manage Flood Risk Assets and Features?**
- 21. Which description best fits your current knowledge/skills to investigate flooding in your area and publish the results?**
- 22. What are the key gaps in your knowledge/skills that you would like to improve? - List up to three in priority order.**
- 23. Have you made use of the capacity building programme to date by attending any of the following workshops? - (tick where applicable)**

- Legislation and PFRA (January 2011)
- PFRA and collaborative working (February 2011)
- Local strategies, modelling and information sharing (March 2011)
- SuDS (April 2011)
- Funding and local strategies (November 2011)
- Consenting, enforcement and SuDS (February 2012)
- Funding allocation process, medium term planning and appraisals (March 2012)
- Water Framework Directive, designation of structures and features, and property level flood protection (June 2012)
- Water Framework Directive and mapping surface water flood risk (November 2012)
- No, I haven't made use of the workshops to date

24. Have you made use of the capacity building programme to date by using e-learning modules?

Yes / No

25. If you answered "Yes" to question 24, which e-learning modules did you use? - (tick where applicable)

- Understanding the new FCERM Legislation
- Consenting and enforcement – ordinary watercourses
- Preliminary Flood Risk Assessment (PFRA)
- Collaborative working Skills
- Flood Risk management
- Local Flood Strategies
- Partnership Funding
- Project Appraisal
- Guide to FCRM Community Engagement
- Sustainable Drainage
- Property Level Protection
- Modelling and Information (Modules 1, 2 or 3)
- Climate Change
- Climate Change Wales
- Designation of Assets

26. How would you rate the e-learning modules you have used?

- Very helpful and informative
- Of some use but limited value
- Not particularly helpful

27. How often do you use LGA's Flood Risk Portal (which includes FlowNet – the online discussion forum)? www.local.gov.uk/floodportal

Regularly / Occasionally / Rarely

28. In the future, what is your preferred way of learning and improving your skills and capabilities in flood and coastal risk management? [Please score 1 to 8 - with 1 being your most preferred way of learning and 8 your least preferred way of learning, note that you can only have one tick per column]

- Attending interactive workshops
- Attending seminars and conferences
- Using interactive e- learning modules to develop/test competencies
- Static e-learning modules as reference material
- Webinars
- Flood Risk Portal – on- line forums, hot seats and reference material
- Site visits
- Shadowing others/secondments

29. Has your local authority made use of the further education courses provided under the capacity building programme (foundation degree/graduate diploma or BSc?)

Yes / No / I don't know

30. Is your local authority considering making use of further education courses in the coming year?

Yes / No / I don't know

31. Please answer "Yes" or "No" to the following questions

Has your local authority shared good practice with other LLFAs?

Has your local authority published its local flood risk management strategy yet?

Do you share staff resources with other LLFAs?

Do you share staff resources with other risk management authorities?

Have you prepared a report as part of a duty to investigate flooding?

Have you carried out a capacity review to make sure the skills/knowledge is available to deliver the requirements of the Act?

32. Does your local authority have a flood risk management team?

Yes / No

33. How many full time equivalent staff currently work on flood risk management within your local authority? Current Equivalent FTE

34. Overall do you feel more confident carrying out your role in local flood risk management than a year ago?

Yes / No / Not applicable

35. If you answered "Yes" to the previous question, how much has the capacity building programme helped?

Significantly / Slightly / Not at all

Appendix B

Responses and conclusions drawn from 2013 survey

Question 1 – Which Lead Local Flood Authority do you represent?

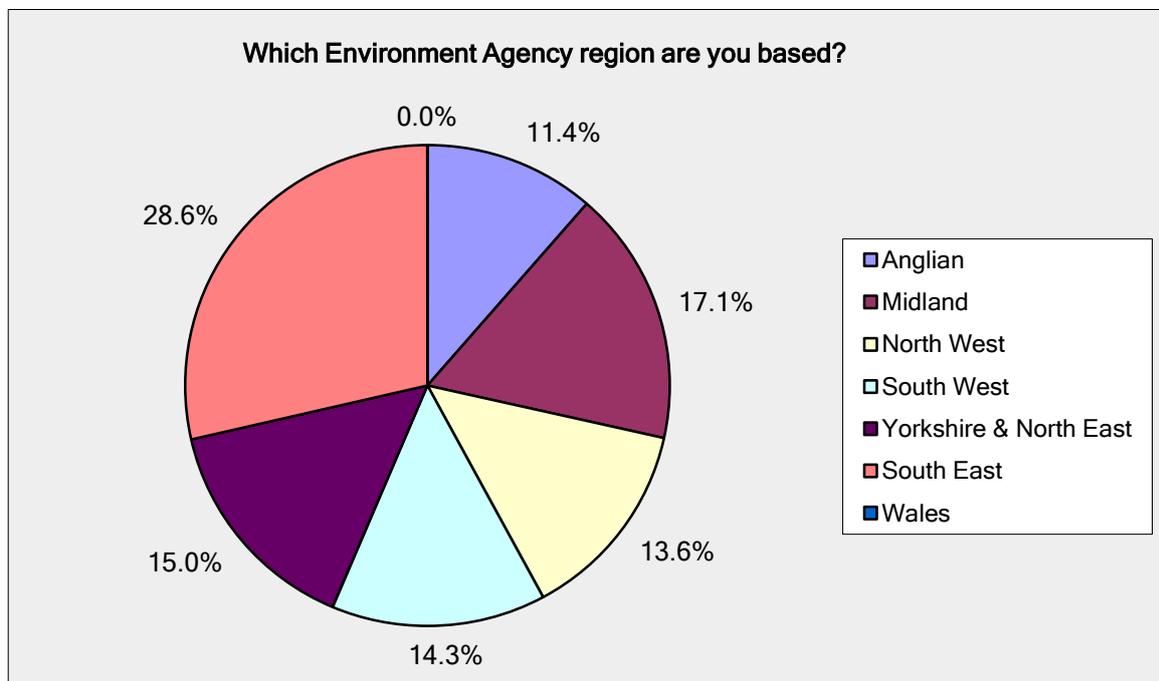
Respondent	No. of Responses
Barnet	1
Barnsley Metropolitan Borough Council	1
Bath and North East Somerset Council	1
Bedford Borough Council	1
Birmingham City Council	2
Blackburn With Darwen Borough Council	2
Blackpool Council	1
Bolton Metropolitan Borough Council	1
Borough of Poole	1
Bournemouth	1
Bracknell Forest Council	3
Bristol City Council	1
Bromley	1
Buckinghamshire County Council	1
Calderdale	1
Cambridgeshire County Council	1
Camden	1
Central Bedfordshire	1
City of Bradford	1
City of York Council	1
Cornwall Council	2
Cumbria County Council	1
Council of The Isles of Scilly	1
Coventry City Council	1
Derby City Council	1
Derbyshire County Council	1
Devon County Council	1
Doncaster Metropolitan Borough Council	1
Dorset County Council	1
Dudley Metropolitan Borough Council	2
Ealing Council	1
East Sussex County Council	1
Gateshead Council	1
Gloucestershire County Council	1
Halton Borough Council	3
Hampshire County Council	2
Hertfordshire County Council	2
I work for a consultant carrying out LLFA related tasks for organisations such as Herts CC and Suffolk CC.	1

Respondent	No. of Responses
I work in emergency planning for Hartlepool, Middlesbrough, Redcar & Cleveland and Stockton.	1
Kent County Council	1
Kirklees	1
Knowsley Metropolitan Borough Council	1
Lancashire	1
Leeds City Council	1
Leicester City Council	2
Leicestershire County Council.	2
Lincolnshire County Council	1
London Borough of Barking and Dagenham	1
London Borough of Barnet	1
London Borough of Bexley	1
London Borough of Enfield	1
London Borough of Enfield	1
London Borough of Hackney	1
London Borough of Harrow	1
London Borough of Havering	1
London Borough of Lambeth	1
London Borough of Merton	1
London Borough of Newham	1
London Borough of Tower Hamlets	2
Middlesbrough	1
Middlesbrough Council	1
Newcastle City Council	1
Norfolk County Council	1
North East Lincolnshire Council	2
North Lincolnshire Council	2
North Somerset Council	2
North Yorkshire	1
Northamptonshire County Council	2
Northumberland County Council	2
Nottingham City Council	2
Nottinghamshire Cc	1
Oxfordshire	2
Peterborough City Council	1
Plymouth City Council	2
Portsmouth City Council	1

Respondent (Cont.)	No. of Responses
Reading Borough Council	1
Redcar and Cleveland Borough Council	1
Richmond Upon Thames	1
Rochdale Borough Council	1
Rotherham Metropolitan Borough Council	2
Royal Borough of Windsor and Maidenhead	1
Sandwell	1
Sefton Metropolitan Borough Council	1
Sheffield	1
Shropshire Council	2
Slough Borough Council	1
Somerset	1
Somerset County Council	1
South Gloucestershire Council	1
South Tyneside Council	1
Southampton City Council	1
Southwark Council	1
St Helens Council	1
Staffordshire County Council	1
Stockport Local Flood Authority	2
Stockton	1
Stoke On Trent City Council	1
Suffolk County Council	1
Surrey County Council	2
Swindon Borough Council	1
The Royal Borough of Kensington and Chelsea	1
Torbay Council	1
Walsall Council	1
Wandsworth	1
Warrington Borough Council	1
West Berkshire Council	2
West Sussex County Council	1
Wigan	1
Wigan Council	1
Wiltshire Council	1
Wirral Metropolitan Borough Council	1
Wokingham Borough Council	1
Wolverhampton City Council	1
Worcestershire County Council	1

Question 2 – Which Environment Agency region are you based?

Answer Options	Response Percent	Response Count
Anglian	11.4%	16
Midland	17.1%	24
North West	13.6%	19
South West	14.3%	20
Yorkshire & North East	15.0%	21
South East	28.6%	40
Wales	0.0%	0
<i>answered question</i>		140
<i>skipped question</i>		2

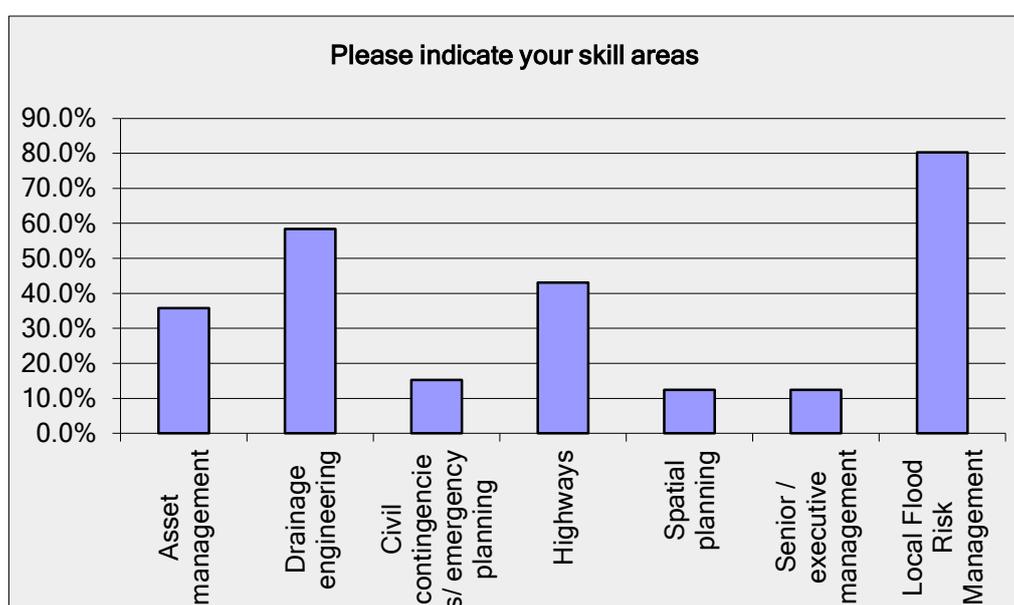


Conclusions and recommendations drawn from responses

- The region profile is similar to the February 2012 survey.
- LLFAs responded in proportion to the distribution of LLFAs in each region.
- The responses (140 in total) came from staff in 113 (74%) of the 152 LLFAs across England.
- This is a slight reduction in sample size from the February 2012 survey, but is still a suitable sample size for comparison with the results of the previous surveys, and for identifying trends in the LLFA community.
- This survey represents a robust sample of the Lead Local Flood Authorities.

Question 3 – Please indicate your skill areas

Answer Options	Response Percent	Response Count
Asset management	35.8%	49
Drainage engineering	58.4%	80
Civil contingencies/ emergency planning	15.3%	21
Highways	43.1%	59
Spatial planning	12.4%	17
Senior / executive management	12.4%	17
Local Flood Risk Management	80.3%	110
Other (please specify)		15
<i>answered question</i>		137
<i>skipped question</i>		5



Other skill areas identified:

<ul style="list-style-type: none"> • Project Management • Flood Incident Management • Land Management • GIS • Contaminated Land 	<ul style="list-style-type: none"> • Public Rights of Way • Winter Maintenance Engineer • Environmental Health • Economic Appraisal • SAB Officer 	<ul style="list-style-type: none"> • Coastal Erosion Risk Management • Civil Engineering • Hydrology • Community Engagement
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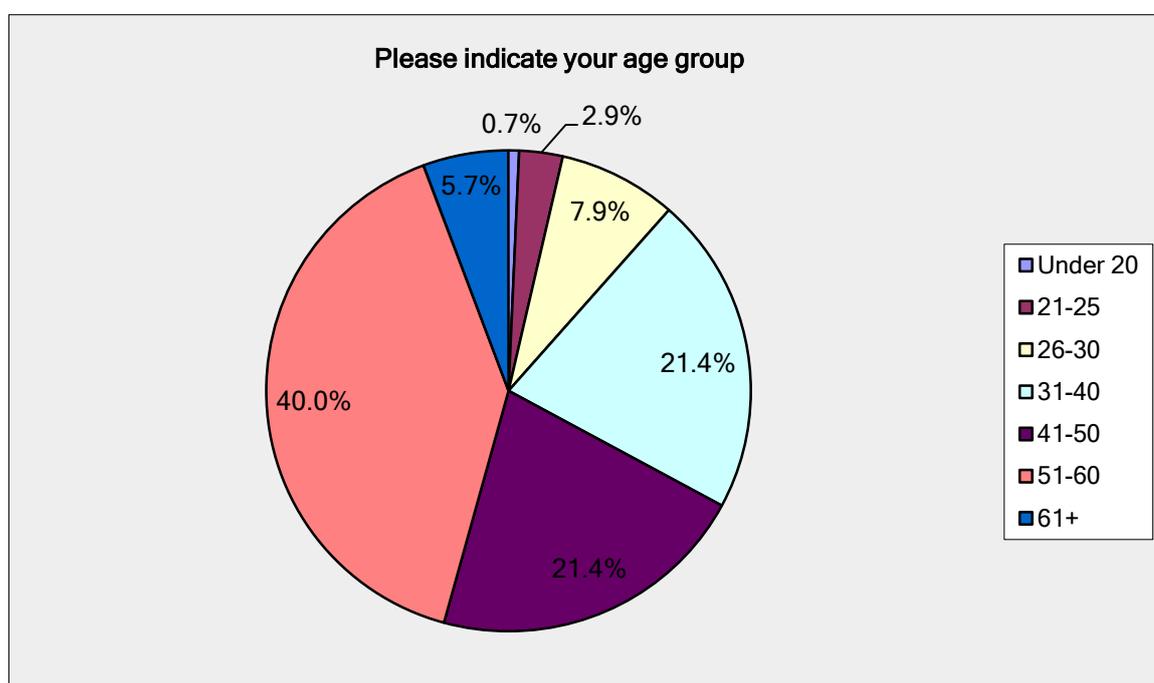
Conclusions and recommendations drawn from responses

- The LLFAs have drawn their staff from a broad skill base. Over 80% of respondents classified their skills base as Local Flood Risk Management. This is a marked increase on the February 2012 results of 53%. This is a further indication that Local Flood Risk Management is being recognised as a skill area in its own right.
- The emergence of new roles such as SAB officer related to the new LLFA roles is a positive sign.

- The February 2012 survey indicated a slight drop in the proportion of respondents who have a drainage engineering or asset management background from the November 2010 survey, raising concerns that these skill sets may be at risk. However this survey shows an increase in these skill sets to 58% for drainage engineering and 35% for asset management, which are above the November 2010 levels of 52% and 31% respectively. The levels of these skills sets should continue to be monitored as they are critical in developing effective ways to manage surface water and sustainable drainage.

Question 4 – Please indicate your age group

Answer Options	Response Percent	Response Count
Under 20	0.7%	1
21-25	2.9%	4
26-30	7.9%	11
31-40	21.4%	30
41-50	21.4%	30
51-60	40.0%	56
61+	5.7%	8
<i>answered question</i>		140
<i>skipped question</i>		2

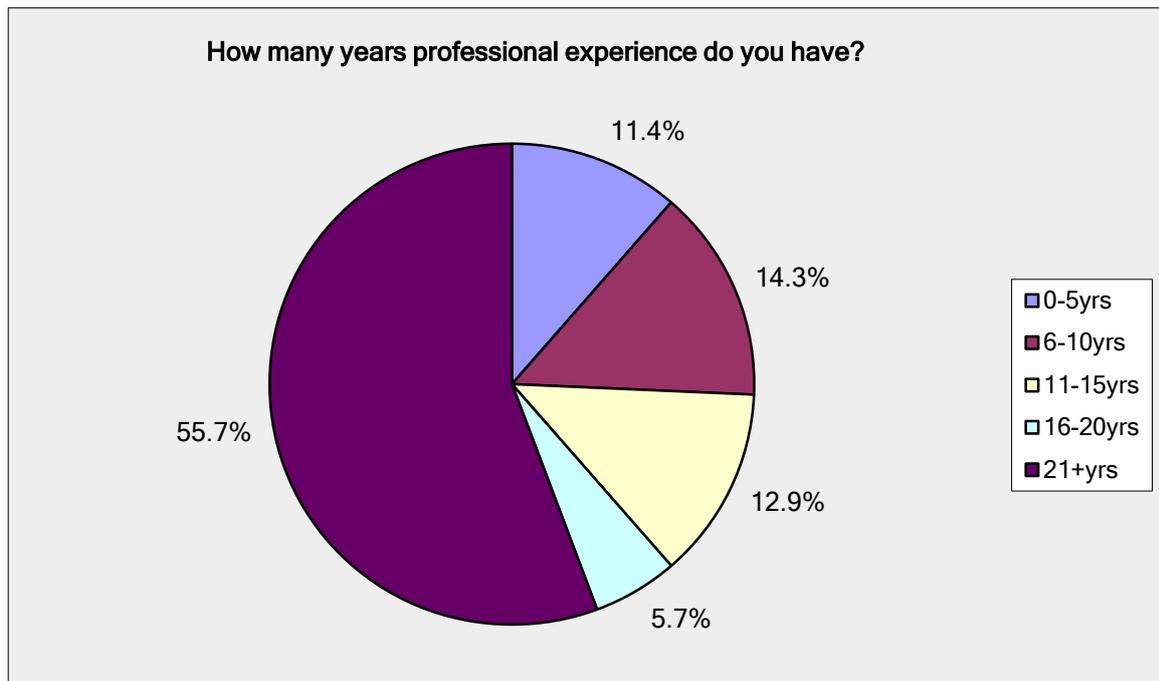


Conclusions and recommendations drawn from responses

- The age profile is similar to November 2010 and February 2012.
- Over 45% of the respondents are over the age of 50, a slight increase on the 42% in February 2012.
- The current age profile indicates a risk of loss of capacity and experience over the next 10 years when around 45% of the workforce could potentially retire.
- Planning is required to ensure that capacity and experience is secured to meet future need.

Question 5 – How many years professional experience do you have?

Answer Options	Response Percent	Response Count
0-5yrs	11.4%	16
6-10yrs	14.3%	20
11-15yrs	12.9%	18
16-20yrs	5.7%	8
21+yrs	55.7%	78
<i>answered question</i>		140
<i>skipped question</i>		2

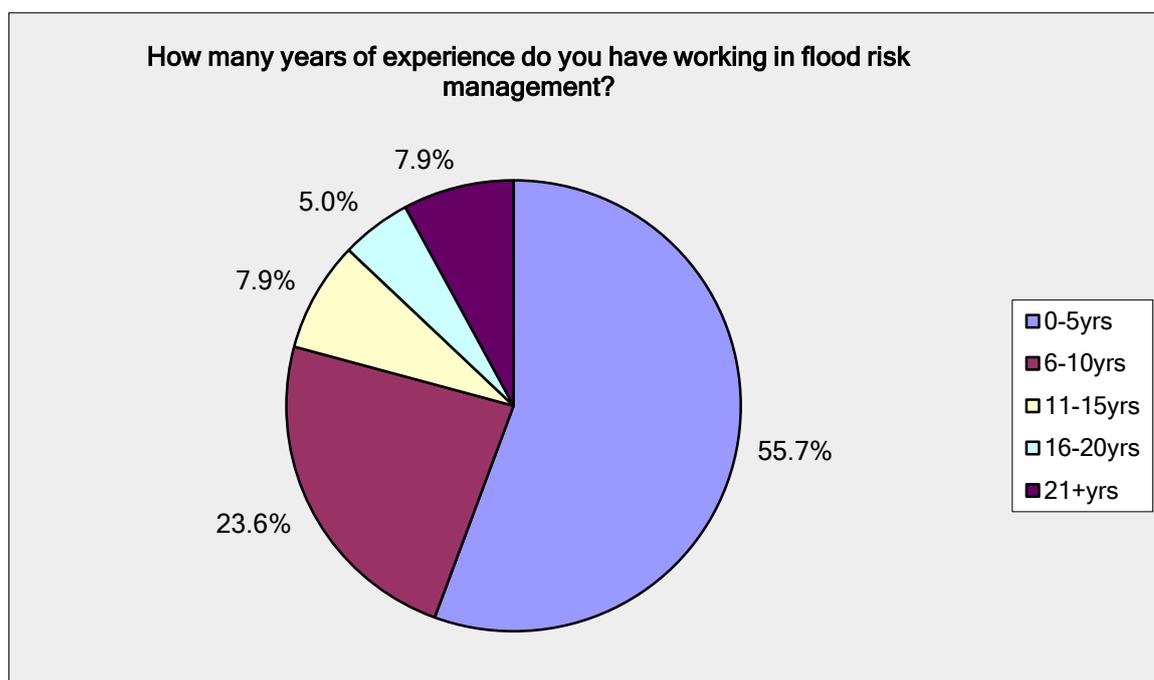


Conclusions and recommendations drawn from responses

- The professional experience profile is similar to November 2010 and February 2012.
- Over 55% of respondents have 20 or more years' professional experience. This indicates a degree of resilience and wider 'know-how' that is brought to local flood risk management.

Question 6 – How many years of experience do you have working in flood risk management?

Answer Options	Response Percent	Response Count
0-5yrs	55.7%	78
6-10yrs	23.6%	33
11-15yrs	7.9%	11
16-20yrs	5.0%	7
21+yrs	7.9%	11
<i>answered question</i>		140
<i>skipped question</i>		2

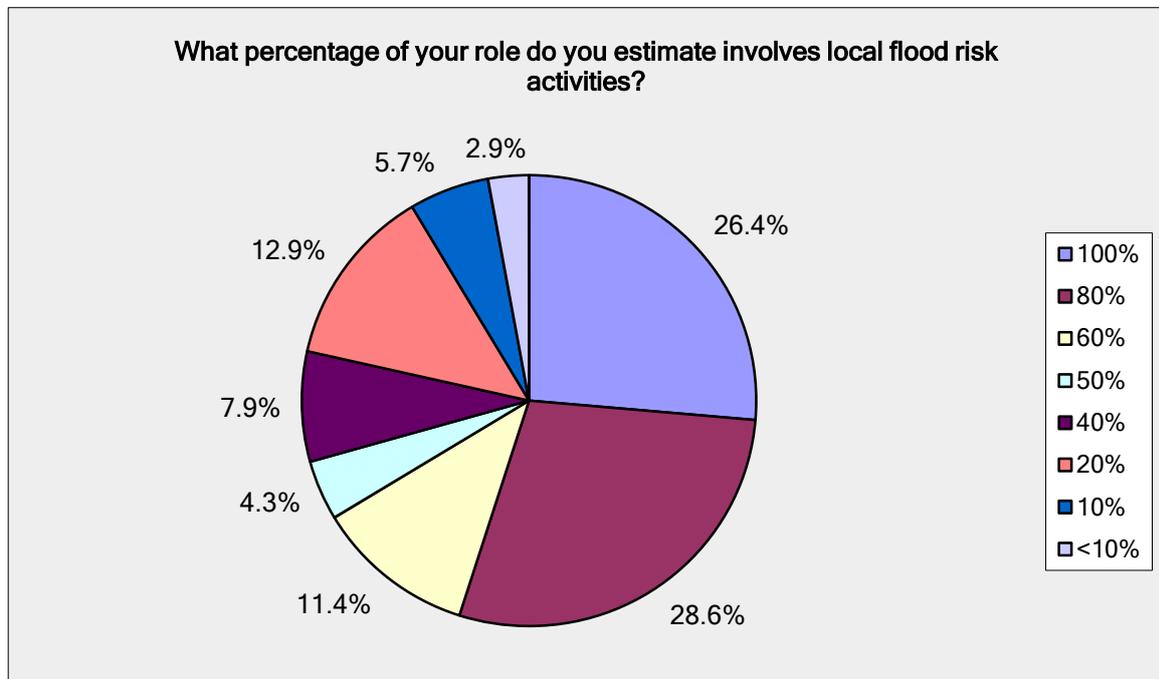


Conclusions and recommendations drawn from responses

- The 'experience' profile is broadly similar to November 2010 and February 2012.
- As this is a relatively new area of responsibility for local authorities it is to be expected that the majority (in this case over 55% of respondents) have less than five years' experience working on flood risk issues.
- There has been a slight decrease in the proportion of respondents with greater than 21 years' experience, from 14.1% in February 2012 to 7.9%. This highlights the continuing drain of flood risk management experience from the industry and the need for broader networking and sharing of experience across authorities and the wider industry over the next few years as the experience develops. Retention of these skills and replacement of those retiring would need to be managed to manage this experience challenge over the next few years.

Question 7 – What percentage of your role do you estimate involves local flood risk activities?

Answer Options	Response Percent	Response Count
100%	26.4%	37
80%	28.6%	40
60%	11.4%	16
50%	4.3%	6
40%	7.9%	11
20%	12.9%	18
10%	5.7%	8
<10%	2.9%	4
<i>answered question</i>		140
<i>skipped question</i>		2



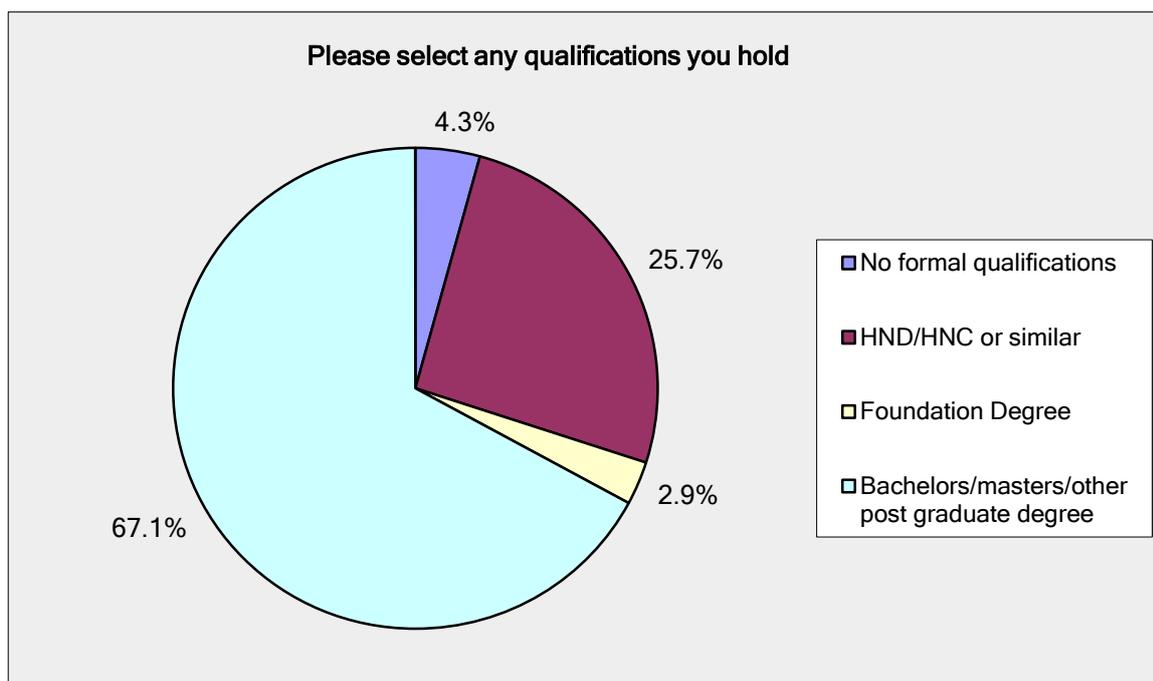
Conclusions and recommendations drawn from responses

- The proportion of staff dedicated full-time to flood risk management has not changed since February 2012. After an initial increase from 18% in November 2010, it has reached a stable level of 26%. However, those spending 80% of their time on flood risk activities has more than doubled from 13% in February 2012 to over 28% in 2013, bolstering those who are dedicated full-time.
- There has also been a decrease in the proportion of respondents whose workload is less than half flood risk activities. This has fallen significantly from nearly 50% in February 2012 to just over 33% in this survey.

- The above increase in proportion of time spent on flood risk management activities suggest that flood risk management role is becoming established as a dedicated role within LLFAs.

Question 8 – Please select any qualifications you hold

Answer Options	Response Percent	Response Count
No formal qualifications	4.3%	6
HND/HNC or similar	25.7%	36
Foundation Degree	2.9%	4
Bachelors/masters/other post graduate degree	67.1%	94
<i>answered question</i>		140
<i>skipped question</i>		2



Conclusions and recommendations drawn from responses

- The ‘qualifications’ profile is similar to February 2012.
- Over 95% of respondents have some form of formal further education qualification. 70% of respondents have bachelors, masters, post graduate or foundation degrees. This is also consistent with the 2012 survey.
- The above indicates that the respondents are all well qualified in their field of expertise and should have the capacity to develop additional capabilities in the field of flood risk management.

Question 9 – Are you a member of a professional institution?

Answer Options	Response Percent	Response Count
Yes	60.0%	84
No	40.0%	56
If yes, which professional body and level of accreditation is it (e.g. Institution of Civil Engineers - chartered member (MICE))?		87
	<i>answered question</i>	140
	<i>skipped question</i>	2

Summary of Responses for Professional Institution Membership

Professional Institution	Response Membership	Response Membership (%)
Institution of Civil Engineers (ICE)	46	30%
Chartered Institute of Water and Environmental Management (CIWEM)	19	12%
Institution of Highways and Transportation and Institute of Highway Engineers (IHE/IHT)	11	7%
Royal Town Planners Institute (RTPI)	7	5%
Institute of Environmental Management and Assessment (IEMA)	3	2%
Emergency Planning Society	3	2%
Institute of Leadership and Management (InstLM)	2	1%
Chartered Management Institute	2	1%
Institute of Civil Protection and Emergency Management	1	1%
Institution of Structural Engineers (IStructE)	1	1%
Landscape Institute	1	1%
Institution of Mechanical Engineers	1	1%
Institute of Royal Engineers (InstRE)	1	1%
None	56	36%

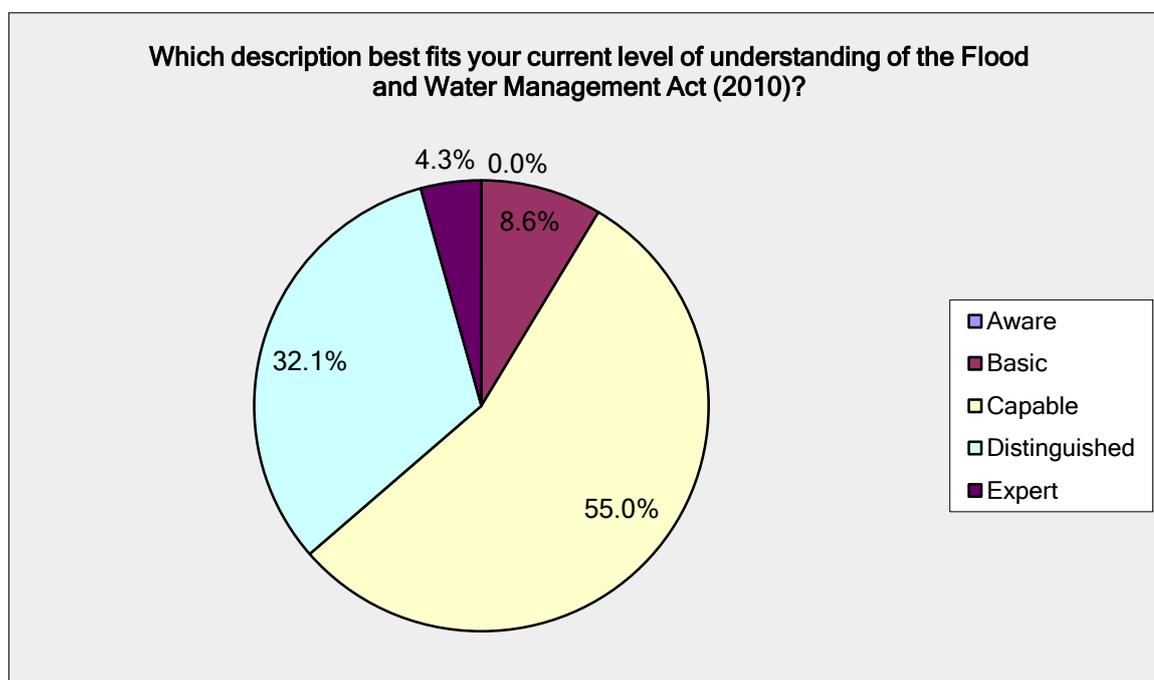
Conclusions and recommendations drawn from responses

- Following a 20% increase from 2010 to 2012, the proportion of professional memberships has remained similar to 2012.
- A broad range of professional bodies are represented, but are dominated by the ICE. With CIWEM, IHE/IHT and RTPI also having significant membership. All levels of membership are covered, from student membership through to fellows.
- The breadth of professional membership continues to increase, from 9 institutions in 2010 to 11 in 2012 and 13 in 2013. This indicates that the respondents have strong and increasing networks across the sector and are committed to sharing knowledge and continuous professional development.

- This also provides the opportunity for dissemination of good practice through these professional bodies as well as directly through flood risk authorities, ensuring that a wider awareness of flood risk management issues is achieved.

Question 10 – which description best fits your current level of understanding of the Flood and Water Management Act (2010)?

Answer Options	Response Percent	Response Count
Aware	0.0%	0
Basic	8.6%	12
Capable	55.0%	77
Distinguished	32.1%	45
Expert	4.3%	6
<i>answered question</i>		140
<i>skipped question</i>		2

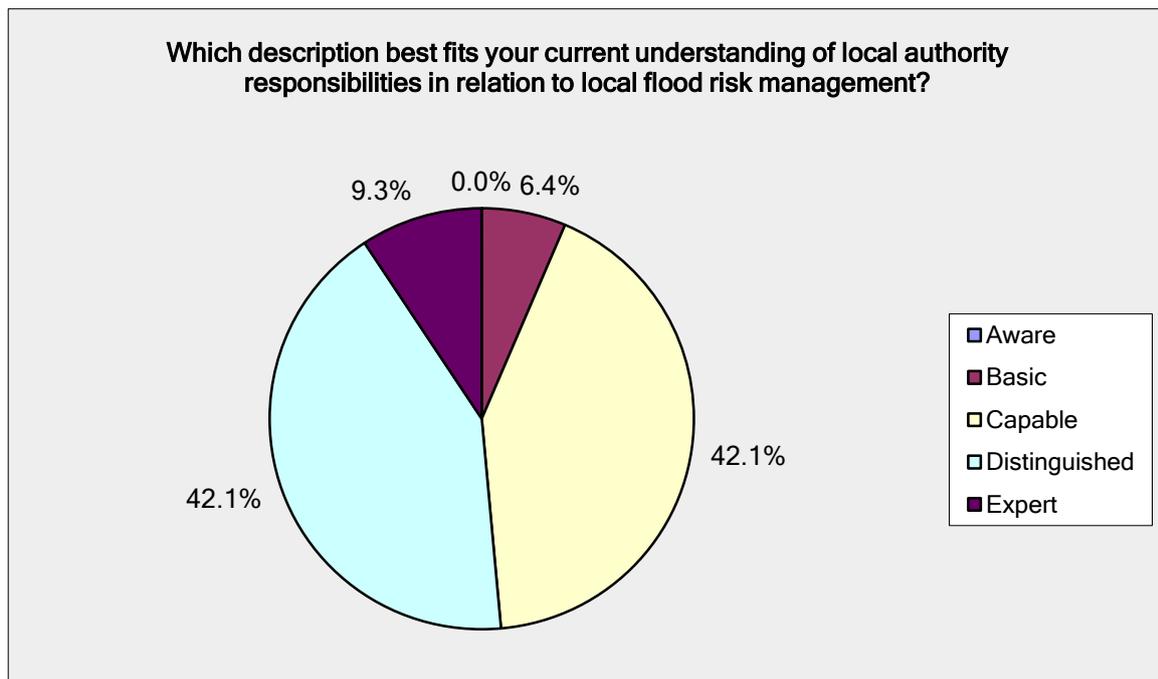


Conclusions and recommendations drawn from responses

- Over 91% of the respondents felt they were ‘capable’ or better with respect to understanding the Flood and Water Management Act (2010). Of these over 36% felt ‘distinguished’ or ‘expert’.
- These previous surveys surveyed on ‘the legislation that affects Local Flood Risk Management’, but did not break it down into separate pieces of legislation, so direct with the previous surveys is not possible.
- Every respondent felt they had at least a ‘basic’ level of understanding. The previous two surveys had a proportion with only awareness levels. This suggests that the foundational knowledge of the Floods and Water Management Act is now in place for LLFAs to build on to deliver their roles.

Question 11 – Which description best fits your current understanding of local authority responsibilities in relation to local flood risk management?

Answer Options	Response Percent	Response Count
Aware	0.0%	0
Basic	6.4%	9
Capable	42.1%	59
Distinguished	42.1%	59
Expert	9.3%	13
<i>answered question</i>		140
<i>skipped question</i>		2

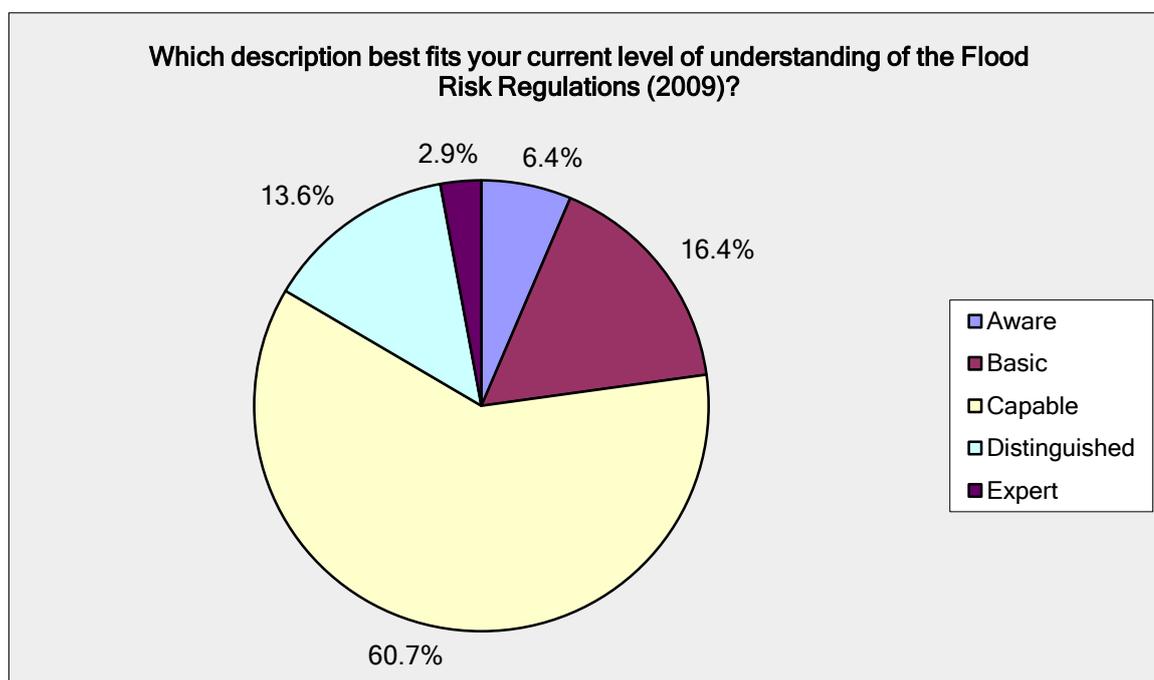


Conclusions and recommendations drawn from responses

- The majority of respondents (over 93%) of LLFAs felt that they were ‘capable’ or better with regard to their flood risk management responsibilities as well as the flood risk legislation. This is an increase from 87% in February 2012.
- Over 51% felt ‘distinguished’ or ‘expert’ in this regard. This is a significant increase from 40% in February 2012. It shows that LLFAs are now very knowledgeable about what their flood risk management responsibilities are. It also offers the realistic opportunity for cross-LLFA knowledge sharing.

Question 12 – Which description best fits your current level of understanding of the Flood Risk Regulations (2009)?

Answer Options	Response Percent	Response Count
Aware	6.4%	9
Basic	16.4%	23
Capable	60.7%	85
Distinguished	13.6%	19
Expert	2.9%	4
<i>answered question</i>		140
<i>skipped question</i>		2

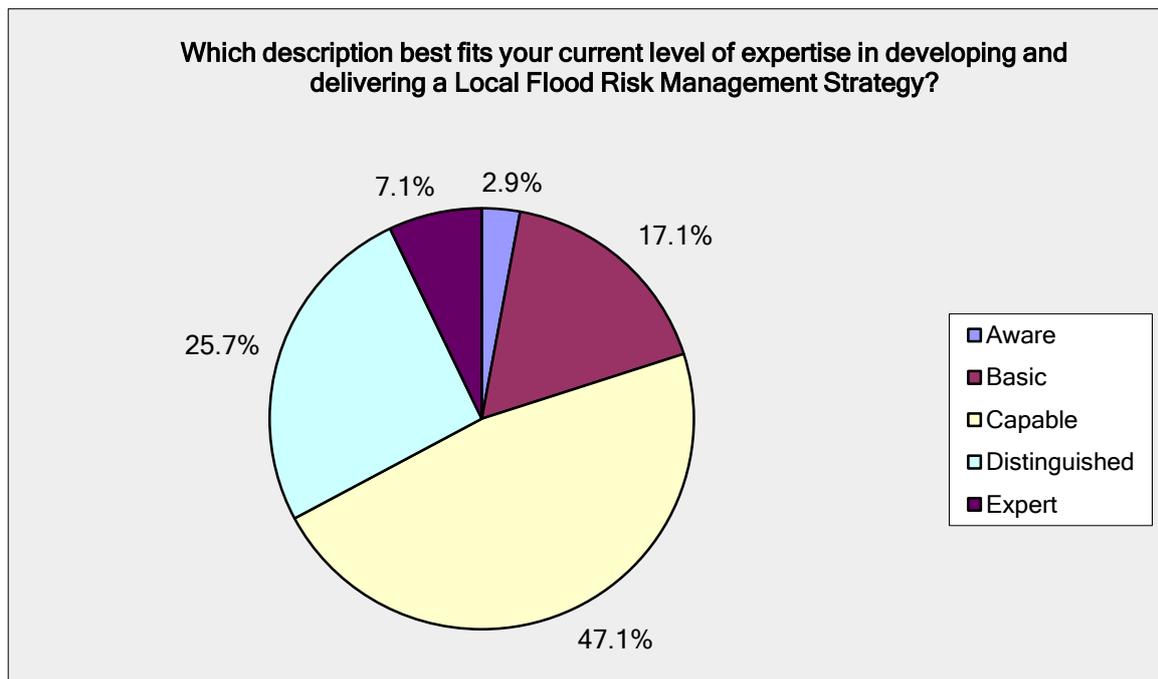


Conclusions and recommendations drawn from responses

- Over 77% of respondents felt that they were ‘capable’ or better with regard to their understanding of the Flood Risk Regulations (2009). Of these over 16% felt that they were ‘distinguished’ or ‘expert’.
- The proportion of LLFAs with a ‘capable’ or better understanding of the Flood Risk Regulations (2009) is less than that with a ‘capable’ or better understanding of the Flood and Water Management Act (2010); 77% compared to 91%.
- The previous surveys surveyed on ‘the legislation that affects Local Flood Risk Management’, but did not break it down into separate pieces of legislation. The results of this question cannot be directly compared with previous surveys.

Question 13 – Which description best fits your current level of expertise in developing and delivering a Local Flood Risk Management Strategy?

Answer Options	Response Percent	Response Count
Aware	2.9%	4
Basic	17.1%	24
Capable	47.1%	66
Distinguished	25.7%	36
Expert	7.1%	10
<i>answered question</i>		140
<i>skipped question</i>		2

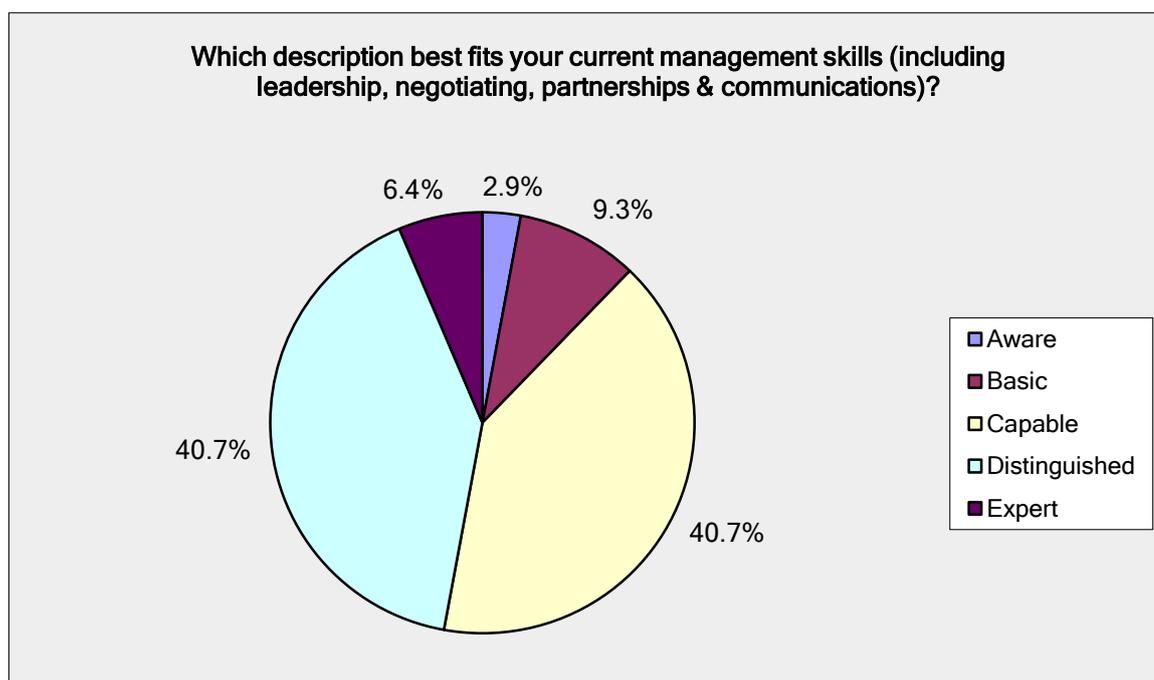


Conclusions and recommendations drawn from responses

- Almost 80% of respondents felt ‘capable’ or better with respect to developing their local flood risk strategy. Within these respondents nearly 33% felt ‘distinguished’ or ‘expert’. This is a significant increase on the 62% in February 2012 who felt they were ‘capable’ or better, and nearly 16% who felt they were distinguished’ or ‘expert’.
- This strengthens the indications in February 2012 survey that the Flood and Water Management Act (2010) is becoming embedded, and that local strategies have been completed or are in development across the country.
- This question was not asked in the original survey for the November 2010 survey.

Question 14 – Which description best fits your current management skills (including leadership, negotiating, partnerships & communications)?

Answer Options	Response Percent	Response Count
Aware	2.9%	4
Basic	9.3%	13
Capable	40.7%	57
Distinguished	40.7%	57
Expert	6.4%	9
<i>answered question</i>		140
<i>skipped question</i>		2

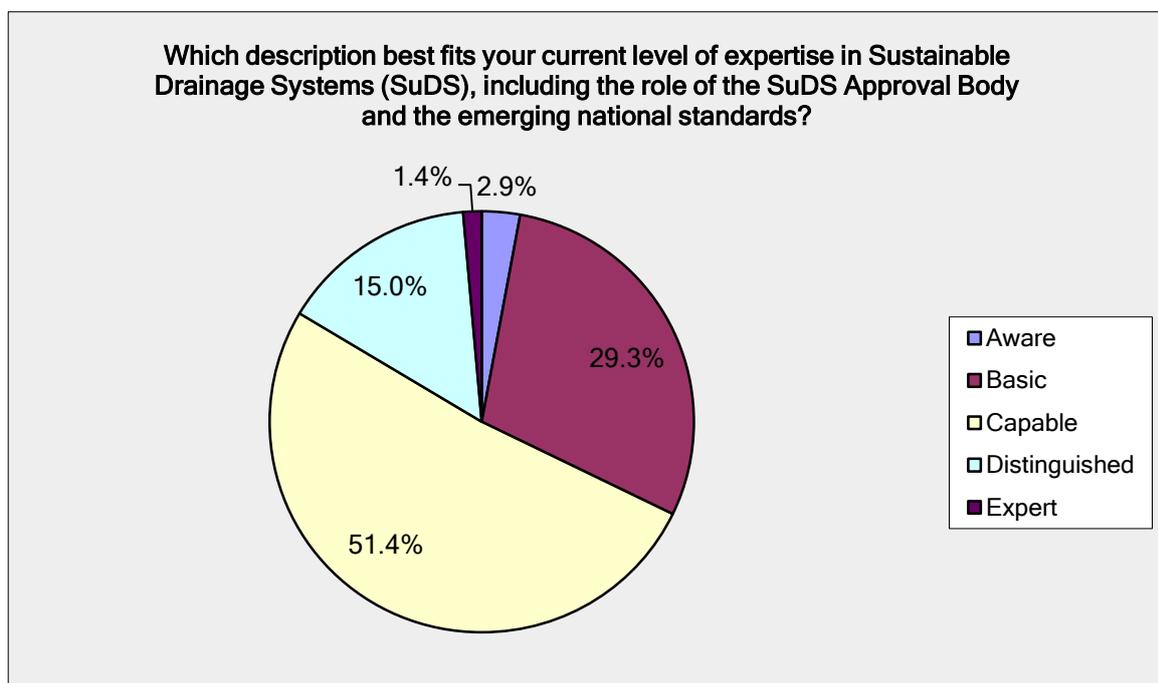


Conclusions and recommendations drawn from responses

- Almost 88% of respondents felt 'capable' or better with respect to developing their local flood risk strategy. Within these respondents over 47% felt 'distinguished' or 'expert'.
- In the November 2010 survey 60% felt 'capable' or above and only 10% 'distinguished' or 'expert'. By the February 2012 survey these proportions had increased to 76% for 'capable' or better, and 30% for 'distinguished' or 'expert'.
- The continuing significant increases in these skill capabilities are encouraging as they are fundamental to the successful execution of responsibilities under the Flood and Water Management Act (2010).

Question 15 – Which description best fits your current level of expertise in Sustainable Drainage Systems (SuDS), including the role of the SuDS Approval Body?

Answer Options	Response Percent	Response Count
Aware	2.9%	4
Basic	29.3%	41
Capable	51.4%	72
Distinguished	15.0%	21
Expert	1.4%	2
<i>answered question</i>		140
<i>skipped question</i>		2

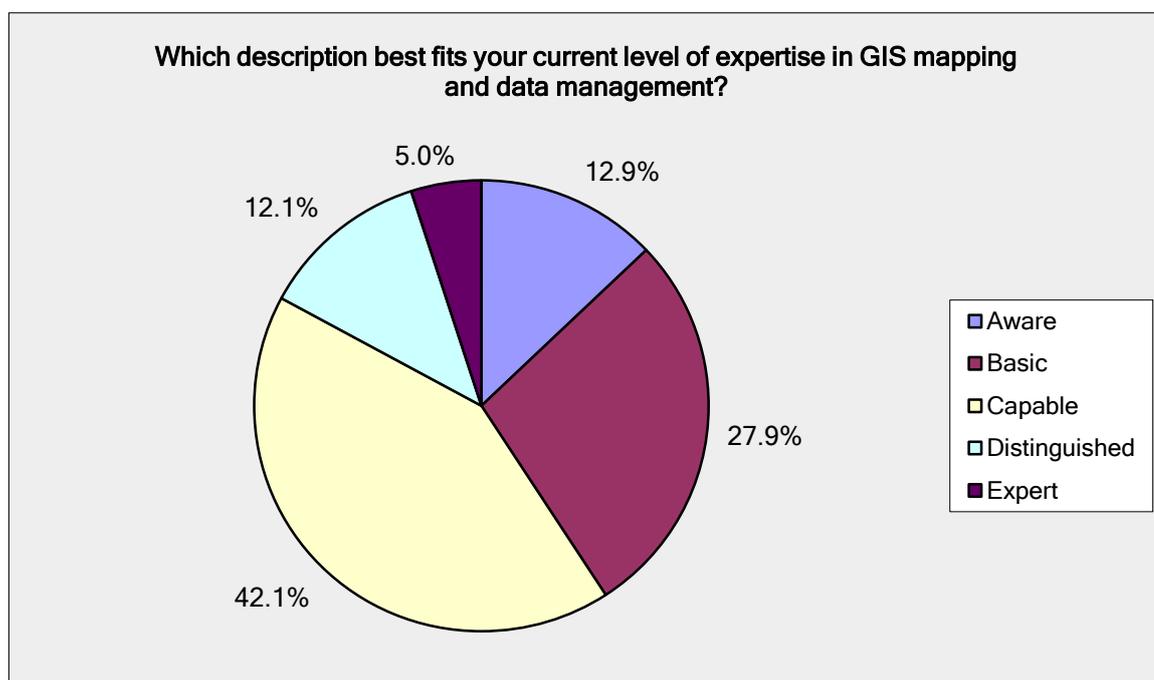


Conclusions and recommendations drawn from responses

- Two-thirds of respondents felt they were 'capable' or better with regards to SuDS. Within these respondents 16% feel they are 'distinguished' or 'expert'.
- This is an increase compared with the February 2012 survey when 57% felt 'capable' or better, with the most significant increase in the 'capable' category.
- In November 2010 only 39% of respondents felt 'capable' or better. There has been a significant improvement in understanding since November 2010.

Question 16 – Which description best matches your current level of expertise in GIS mapping and data management?

Answer Options	Response Percent	Response Count
Aware	12.9%	18
Basic	27.9%	39
Capable	42.1%	59
Distinguished	12.1%	17
Expert	5.0%	7
<i>answered question</i>		140
<i>skipped question</i>		2

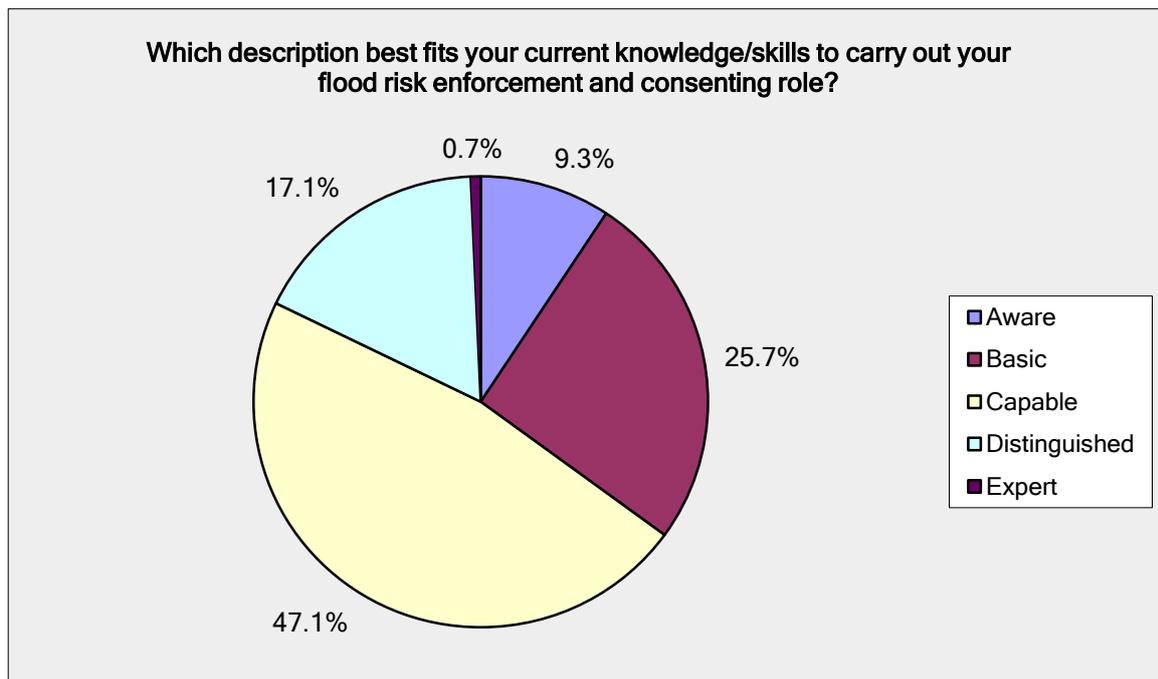


Conclusions and recommendations drawn from responses

- The responses to this question are similar to the February 2012 survey.
- There has been an improvement in the proportion of respondents who feel they are 'capable' or better in GIS mapping and data management from almost 50% in February 2012 to 59%.
- As this is an area that will become increasingly important in collating, assimilating, sharing and presenting information by flood risk authorities these results are encouraging; however more support may still be required in the future.

Question 17 – Which description best fits your current knowledge/skills to carry out your flood risk enforcement and consenting role?

Answer Options	Response Percent	Response Count
Aware	9.3%	13
Basic	25.7%	36
Capable	47.1%	66
Distinguished	17.1%	24
Expert	0.7%	1
<i>answered question</i>		140
<i>skipped question</i>		2

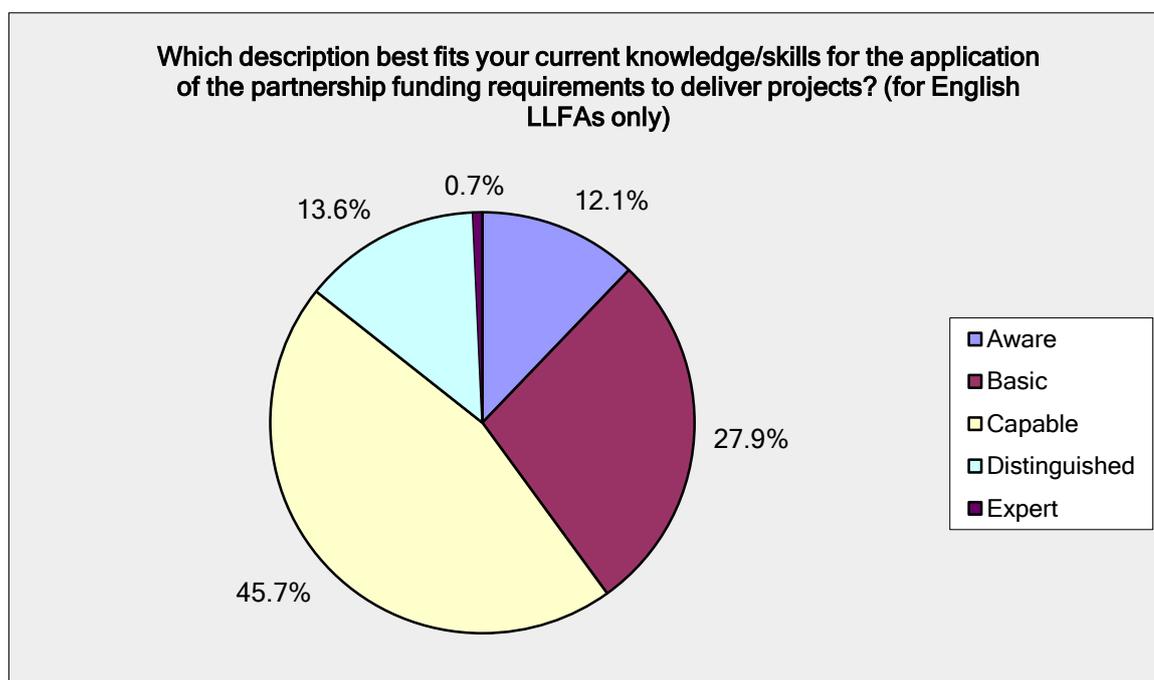


Conclusions and recommendations drawn from responses

- There has been a significant increase in the proportion of respondents who feel they are 'capable' or better from almost 35% in February 2012 to almost 65%. This significant improvement is coincident with the delivery of capacity building workshops and e-learning on Consenting and Enforcement since the last survey in February 2012 and the commencement of the duties in April 2012, enabling LLFAs to obtain experience in actual delivery of the role.

Question 18 – Which description best fits your current knowledge/skills for the application of the partnership funding requirements to deliver projects?

Answer Options	Response Percent	Response Count
Aware	12.1%	17
Basic	27.9%	39
Capable	45.7%	64
Distinguished	13.6%	19
Expert	0.7%	1
<i>answered question</i>		140
<i>skipped question</i>		2

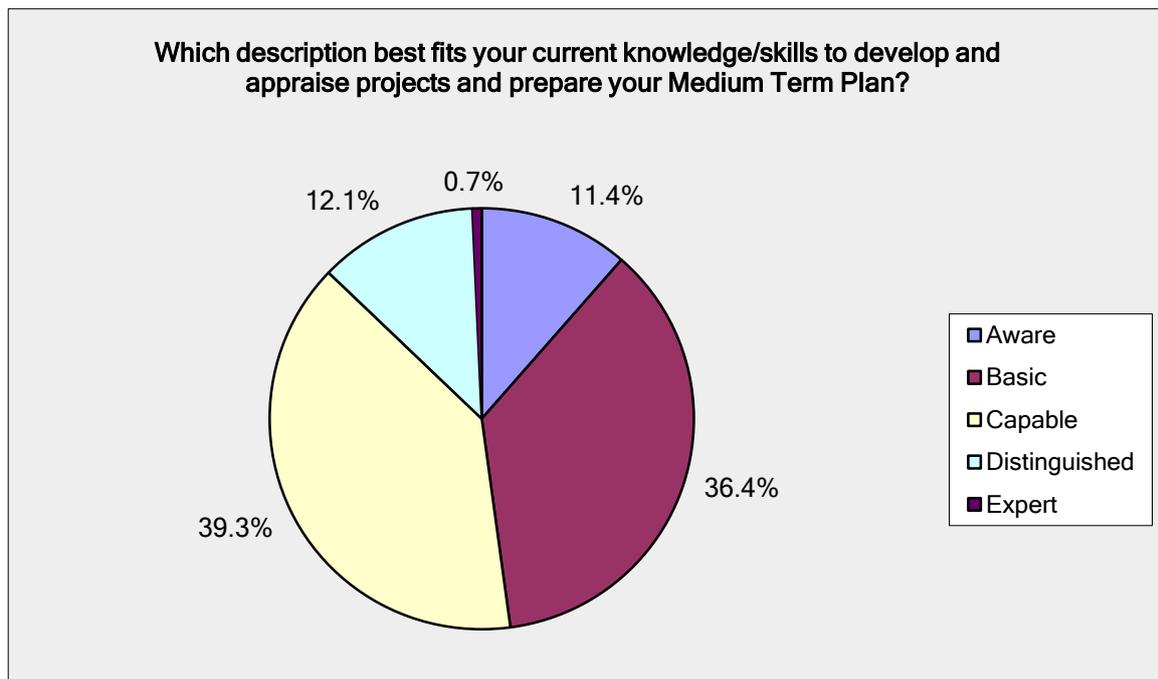


Conclusions and recommendations drawn from responses

- There has been an increase in the proportion of respondents who feel they are ‘capable’ or better with regards to the partnership funding requirements from 47% in February 2012 to 60% in this survey. This is likely to be partly due to the March 2012 workshops and more LLFAs having gone through the process within the last year.
- With 14% of respondents feeling they are ‘distinguished’ or ‘expert’ they can continue to offer the opportunity for knowledge sharing and mentoring between LLFAs.

Question 19 – Which description best fits your current knowledge skills to develop and appraise projects and prepare your Medium Term Plan?

Answer Options	Response Percent	Response Count
Aware	11.4%	16
Basic	36.4%	51
Capable	39.3%	55
Distinguished	12.1%	17
Expert	0.7%	1
<i>answered question</i>		140
<i>skipped question</i>		2

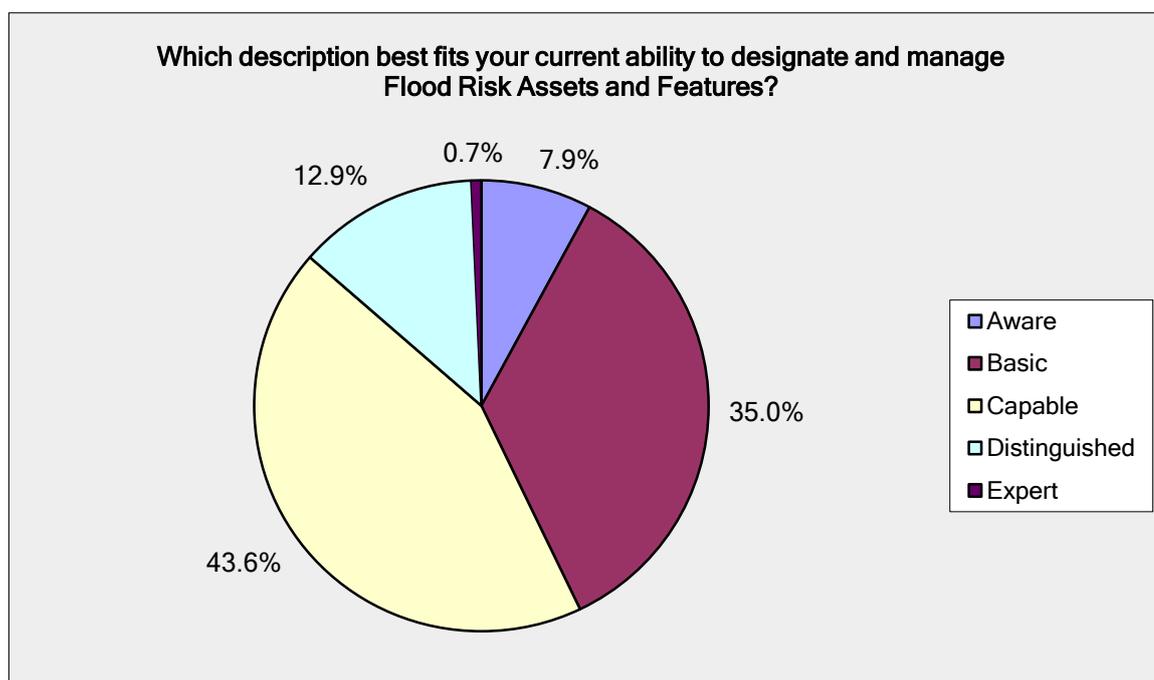


Conclusions and recommendations drawn from responses

- The responses to this question are very similar to the 2012 survey.
- This stagnation is despite workshops on the area occurring around the time of the 2012 survey, and e-learning publication since then. It is expected that as strategies get completed and schemes are being developed using the appraisal process, confidence in this area will start to improve further.

Question 20 – Which description best fits your current ability to designate and manage Flood Risk Assets and Features?

Answer Options	Response Percent	Response Count
Aware	7.9%	11
Basic	35.0%	49
Capable	43.6%	61
Distinguished	12.9%	18
Expert	0.7%	1
<i>answered question</i>		140
<i>skipped question</i>		2

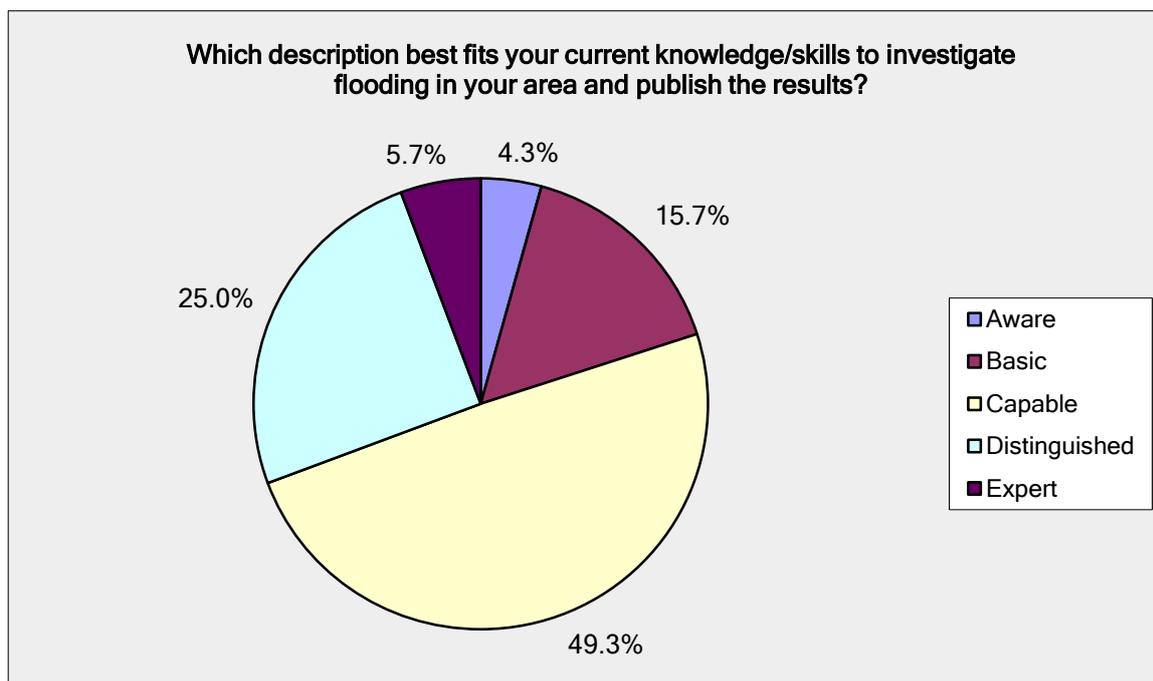


Conclusions and recommendations drawn from responses

- Over 57% of respondents felt they were ‘capable’ or better in regards to their ability to designate and manage Flood Risk Assets and Features, with only one respondent feeling they were ‘expert’.
- This question was not asked in the original November 2010 or February 2012 survey and the results therefore cannot be compared to previous survey results.

Question 21 – Which description best fits your current knowledge/skills to investigate flooding in your area and publish the results?

Answer Options	Response Percent	Response Count
Aware	4.3%	6
Basic	15.7%	22
Capable	49.3%	69
Distinguished	25.0%	35
Expert	5.7%	8
<i>answered question</i>		140
<i>skipped question</i>		2



Conclusions and recommendations drawn from responses

- 80% of respondents feel they have ‘capable’ or better skills for investigating flooding in their area and publishing the results. Within these respondents over 30% feel that they are ‘distinguished’ or ‘expert’.
- These results suggest that the experiences of 2012 floods and the associated investigations have had a good impact on capabilities. It also shows that there are opportunities for knowledge sharing and mentoring among LLFAs.
- This question was not asked in the original November 2010 or February 2012 survey and the results therefore cannot be compared to previous survey results.

Question 22 – What are the key gaps in your knowledge/skills that you would like to improve? List up to three in priority order.

Topic	Priority 1	Priority 2	Priority 3
SuDS & SAB	45	13	9
Partnership Funding	16	10	7
Enforcement & Consenting	8	8	2
GIS & Data Management	5	8	2
Legislation & Partner Responsibilities	8	4	2
Technical/Engineering	8	3	3
MTP	7	3	3
Flood Investigation	4	2	4
Modelling – hydrology/hydraulic	4	5	3
Designation of features	3	6	3
Asset Management	3	4	2
Local Flood Risk Management Strategies	4	3	3
Surface water/ground water mapping	4	2	2
Community Engagement	3	0	4
Project Appraisal	1	6	1
WFD	2	3	1
Planning roles & responsibilities	1	1	3
Management Priorities	2	1	1
Other Topics identified: <ul style="list-style-type: none"> • Organisational response • Local leadership • Role of IDBs • Use of byelaws • Biodiversity & FRM • Reservoirs 	<ul style="list-style-type: none"> • Soil infiltration • Green Infrastructure • Highways Drainage • PFRA • Implementing lessons learnt • Knowledge sharing • Assessment of culverts 		
No gaps identified	6		

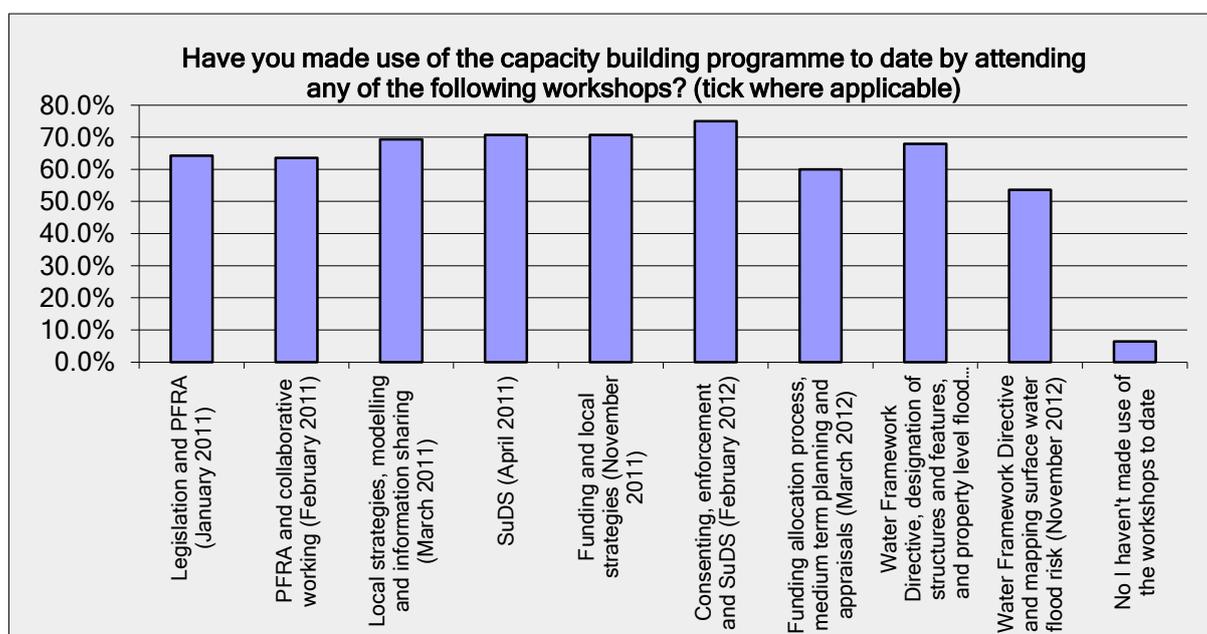
Conclusions and recommendations drawn from responses

- There appears to be a continuing need for the development of skills within LLFAs. Similar to 2012, SuDS/ SuDS Approval Bodies (SAB) continues to be by far the area where skill gaps have been identified. This is despite over 2/3rds assessing themselves as competent or above in their expertise on SuDS and the SAB role.
- The above anomaly and assessment of SuDS/SAB as a key gap is likely to relate to the continued uncertainty around the details of the SuDS Standards and the SAB role. It would be important that further capacity building occurs once the legislative provisions in these area and associated National standards are published.
- Partnership Funding process was the second highest gap identified – both understanding and practical application. A number of workshops have already occurred in this area and e-learning is already available. It is important that this continues to be built on through sharing of good practices and lessons from the application of partnership funding.

- It is interesting to note that six respondents compared to one in 2012 reported that they had no knowledge gaps, showing that some LLFAs already regard themselves as requiring no further capacity building to enable them deliver their role.

Question 23 – Have you made use of the capacity building programme to date by attending any of the following workshops?

Answer Options	Response Percent	Response Count
Legislation and PFRA (January 2011)	64.3%	90
PFRA and collaborative working (February 2011)	63.6%	89
Local strategies, modelling and information sharing (March 2011)	69.3%	97
SuDS (April 2011)	70.7%	99
Funding and local strategies (November 2011)	70.7%	99
Consenting, enforcement and SuDS (February 2012)	75.0%	105
Funding allocation process, medium term planning and appraisals (March 2012)	60.0%	84
Water Framework Directive, designation of structures and features, and property level flood protection (June 2012)	67.9%	95
Water Framework Directive and mapping surface water flood risk (November 2012)	53.6%	75
No I haven't made use of the workshops to date	6.4%	9
answered question		140
skipped question		2

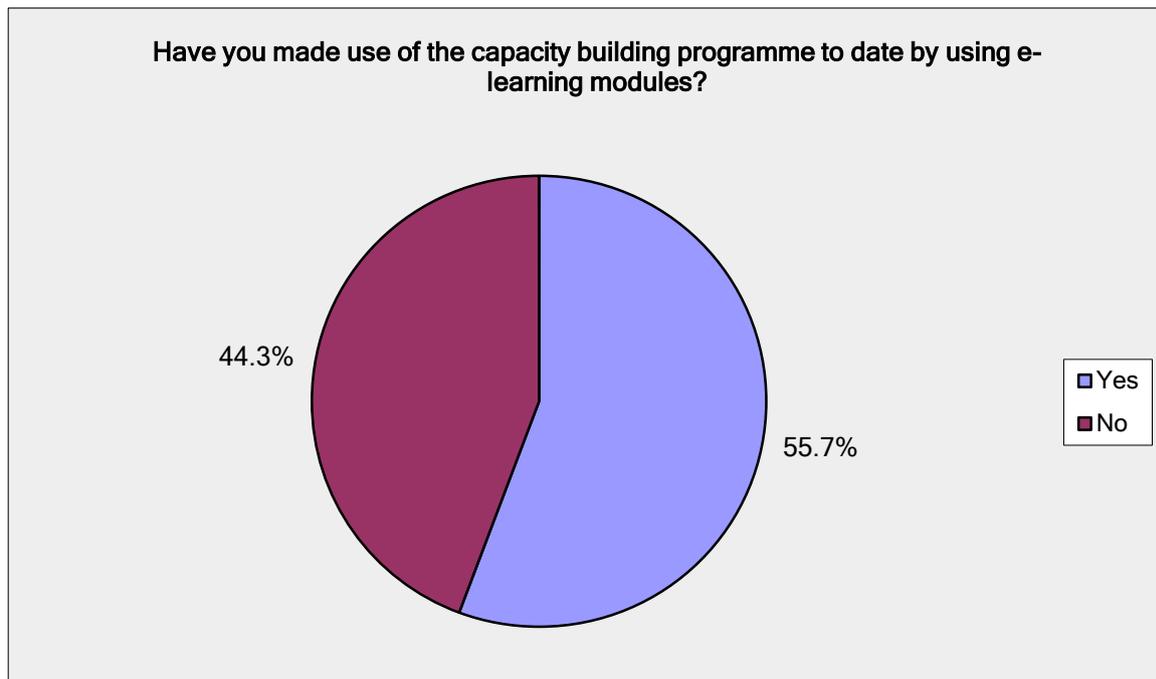


Conclusions and recommendations drawn from responses

- 94% of the responders have attended at least one of the workshops.
- The attendance has been consistently high across all the different workshop topics, with each workshop attended by at least 50% of the responders, with the highest attended workshop at 75% of responders being the SuDS, consenting and enforcement workshop in February/March 2012.
- From the attendance lists at the workshops we know that XX% of the LLFAs have taken part in the workshops.

Question 24 – Have you made use of the capacity building programme to date by using e-learning modules?

Answer Options	Response Percent	Response Count
Yes	55.7%	78
No	44.3%	62
<i>answered question</i>		140
<i>skipped question</i>		2

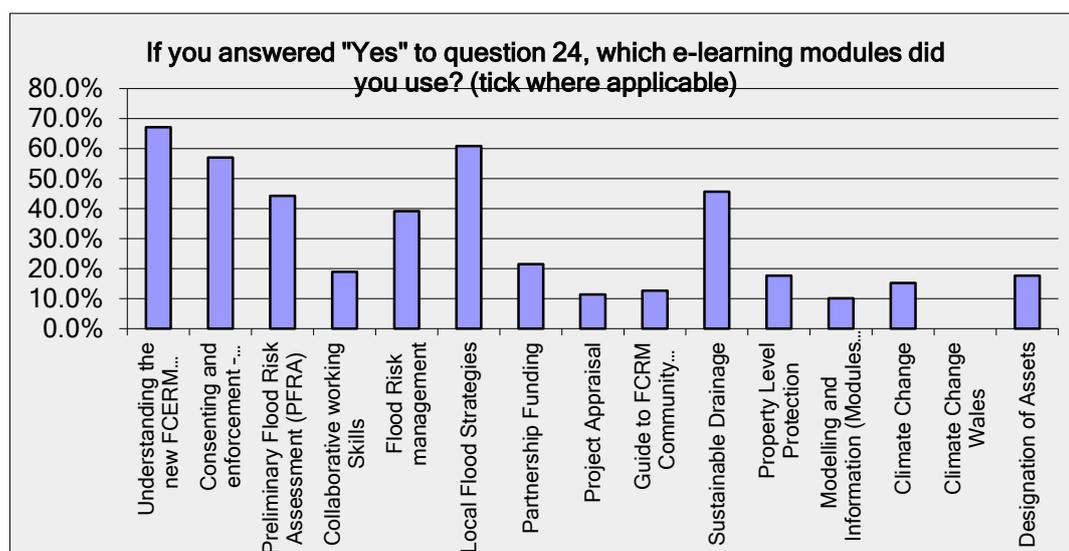


Conclusions and recommendations drawn from responses

- 56% of respondents have made use of the e-learning. While this figure is lower than the corresponding attendance at workshops, it represents a significant improvement on the 42% who had made use of the e-learning in the 2012 survey.
- It is anticipated that the use of the e-learning would increase as the extent of the portfolio increases and are updated. This is supported by the 33% increase in proportion of respondents using the e-learning since the February 2012 survey, corresponding to an increase in the available e-learning relevant to the LLFA role from 7 to 15 since the last survey.

Question 25 – If you answered “Yes” to question 24, which e-learning modules did you use?

Answer Options	Response Percent	Response Count
Understanding the new FCERM Legislation	67.1%	53
Consenting and enforcement - ordinary watercourses	57.0%	45
Preliminary Flood Risk Assessment (PFRA)	44.3%	35
Collaborative working Skills	19.0%	15
Flood Risk management	39.2%	31
Local Flood Strategies	60.8%	48
Partnership Funding	21.5%	17
Project Appraisal	11.4%	9
Guide to FCRM Community Engagement	12.7%	10
Sustainable Drainage	45.6%	36
Property Level Protection	17.7%	14
Modelling and Information (Modules 1, 2 or 3)	10.1%	8
Climate Change	15.2%	12
Climate Change Wales	0.0%	0
Designation of Assets	17.7%	14
<i>answered question</i>		79
<i>skipped question</i>		63

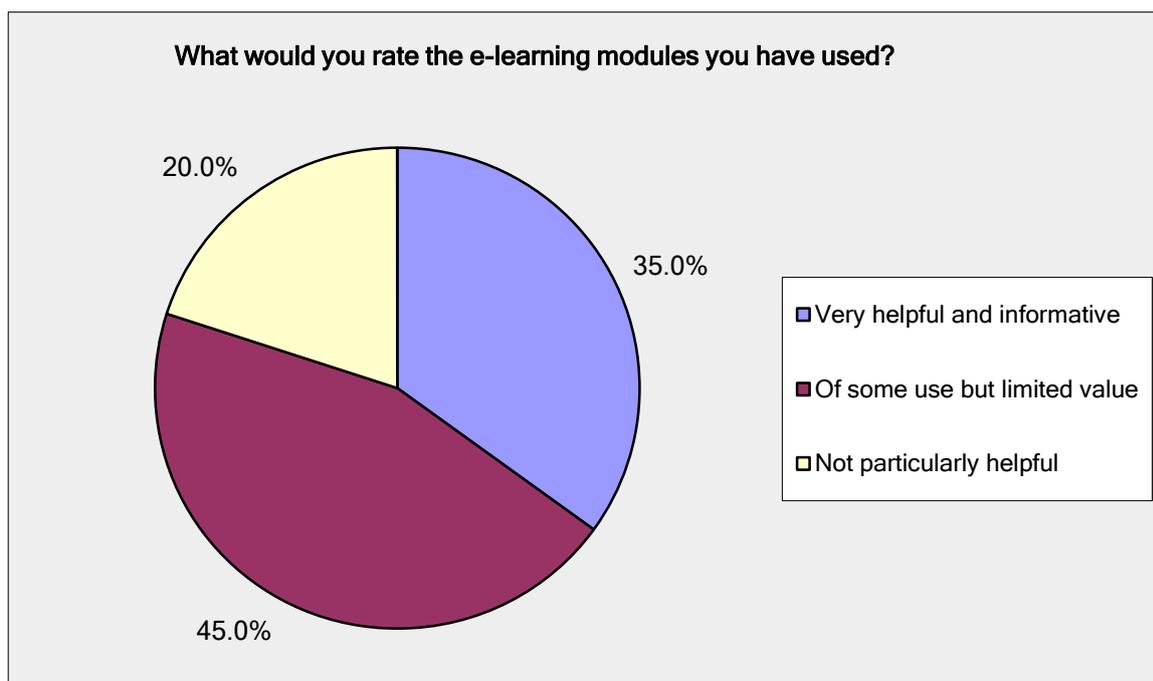


Conclusions and recommendations drawn from responses

- There has been a varied uptake of the different e-learning modules available. Apart from the foundational legislation and flood risk management modules and SuDS, three most popular modules are ones in areas where significant activity has occurred these are:
 - Local Flood Strategies;
 - Consenting and enforcement – ordinary watercourses;
 - Preliminary Flood Risk Assessment (PFRA); and

Question 26 – How would you rate the e-learning modules you have used?

Answer Options	Response Percent	Response Count
Very helpful and informative	35.0%	49
Of some use but limited value	45.0%	63
Not particularly helpful	20.0%	28
<i>answered question</i>		140
<i>skipped question</i>		2

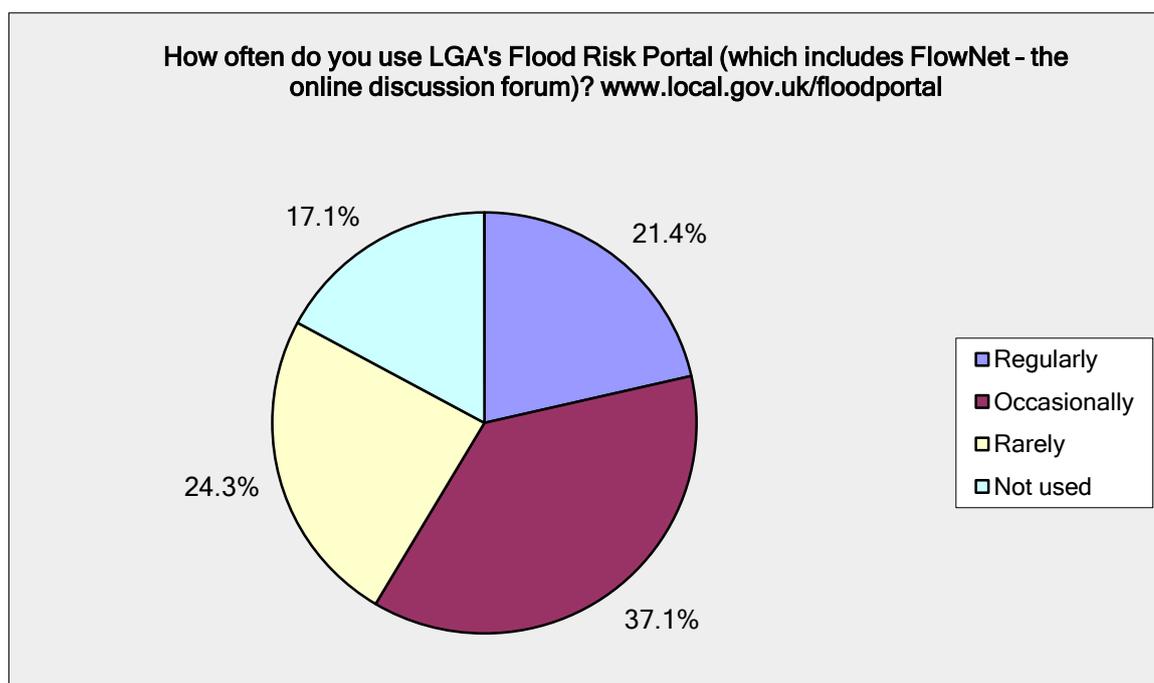


Conclusions and recommendations drawn from responses

- 80% of respondents rate the e-learning modules as providing value, with 35% rating them as 'very helpful and informative' and 45% feeling they were 'of some use but limited value'.
- 20% of respondents felt the e-learning modules were 'not particularly helpful'.
- The varied response is likely to relate to the differing needs and level of detail expected of the e-learning modules. This vary greatly depending on the level of expertise.

Question 27 – How often do you use LGA’s Flood Risk Portal (which includes FlowNet – the online discussion forum)?

Answer Options	Response Percent	Response Count
Regularly	21.4%	30
Occasionally	37.1%	52
Rarely	24.3%	34
Not used	17.1%	24
<i>answered question</i>		140
<i>skipped question</i>		2

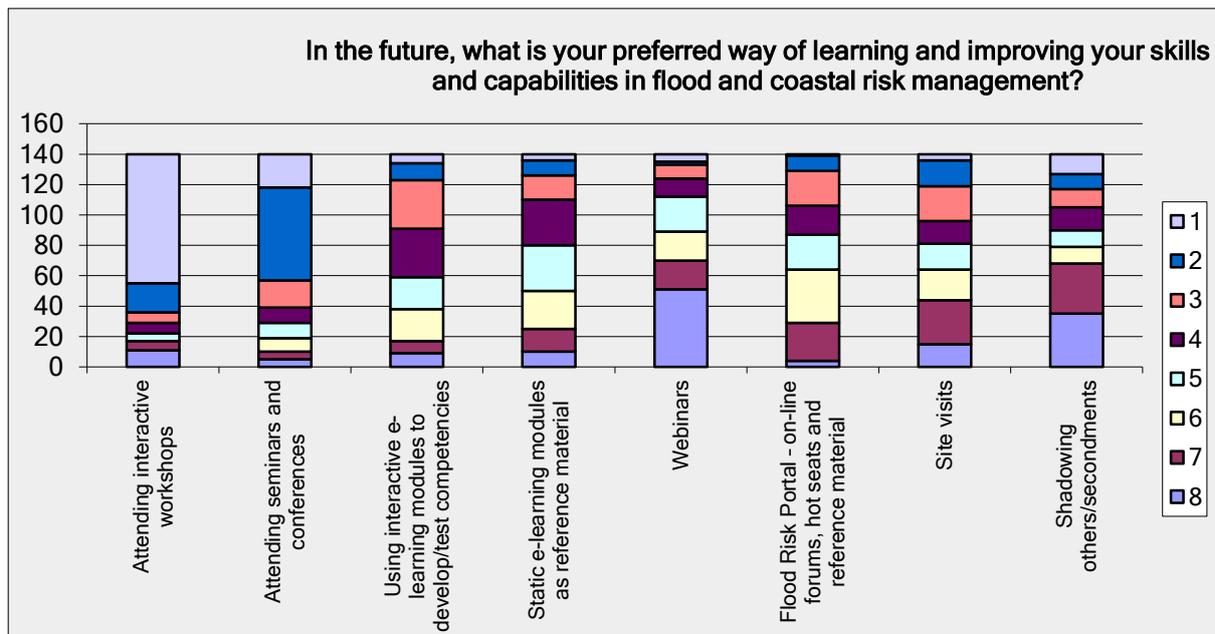


Conclusions and recommendations drawn from responses

- 83% of respondents have accessed the LGA’s Flood Risk Portal. This is an increase from 78% in 2012, however, those using it regularly or occasionally has fallen from 65% to 58%.
- Despite feedback from users that it is a vibrant way of practitioners to learn from other practitioners with respect to overcoming the practical challenges of implementing the Flood and Water Management Act (2010), these results suggest there are still some barriers to using the portal. Feedback from LLFAs regarding their use of the portal and what would make them engage more with it would be helpful to ensure they can make most of this facility.

Question 28 – In the future, what is your preferred way of learning and improving your skills and capabilities in flood and coastal risk management?

Answer Options	1	2	3	4	5	6	7	8	Response Count
Attending interactive workshops	85	19	7	7	5	0	6	11	140
Attending seminars and conferences	22	61	18	10	10	9	5	5	140
Using interactive e-learning modules to develop/test competencies	6	11	32	32	21	21	8	9	140
Static e-learning modules as reference material	4	10	16	30	30	25	15	10	140
Webinars	5	2	9	12	23	19	19	51	140
Flood Risk Portal - on-line forums, hot seats and reference material	1	10	23	19	23	35	25	4	140
Site visits	4	17	23	15	17	20	29	15	140
Shadowing others/secondments	13	10	12	15	11	11	33	35	140
<i>answered question</i>									140
<i>skipped question</i>									2



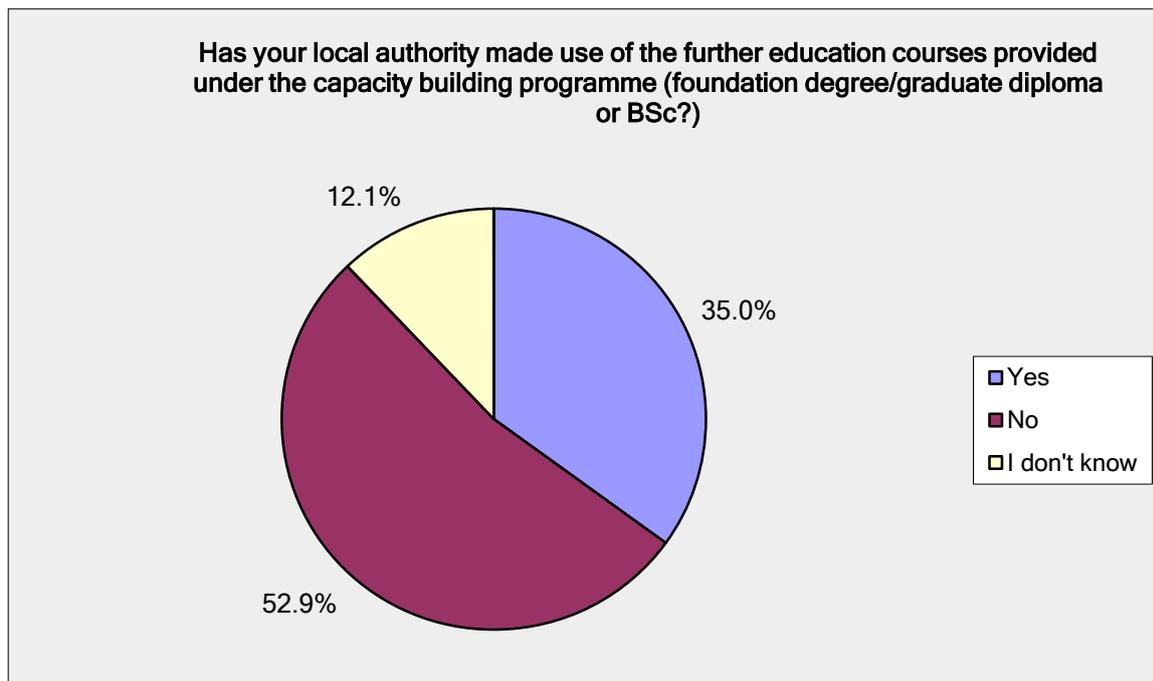
Conclusions and recommendations drawn from responses

- The response was very varied, showing that many LLFA staff have different learning preferences.
- Within this variation however, by far the most popular learning mechanism amongst respondents is ‘attending interactive workshops’, with 61% of respondents voting it their preferred approach.
- ‘Attending seminars and conferences’ was the next popular.

- The above shows that most LLFA staff prefer learning environments where they have the opportunity to interact, share and learn together, as compared with more passive or individual forms of learning.

Question 29 – Has your local authority made use of the further education courses provided under the capacity building programme (foundation degree/graduate diploma or BSc)?

Answer Options	Response Percent	Response Count
Yes	35.0%	49
No	52.9%	74
I don't know	12.1%	17
<i>answered question</i>		140
<i>skipped question</i>		2

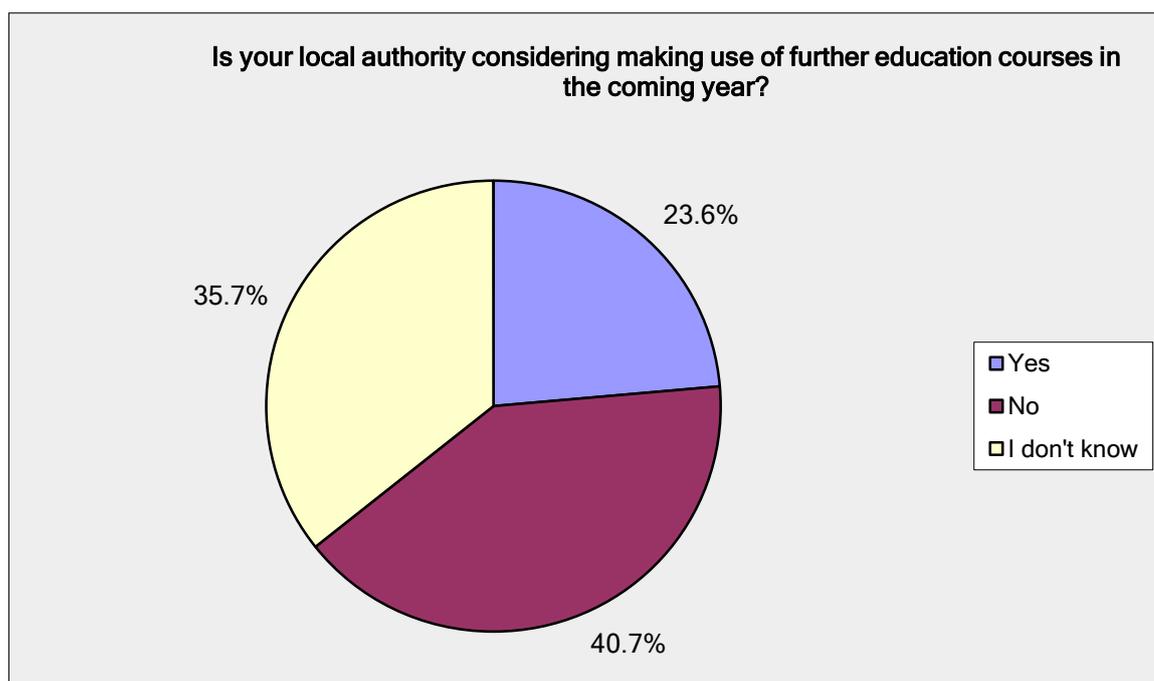


Conclusions and recommendations drawn from responses

- 35% of respondents' local authorities have made use of the further education courses provided under the capacity building programme. This is similar to the 2012 survey response.
- Given the financial climate, this reflects the continued confidence by LLFAs in the further education courses to provide flood risk management skill to new staff or top-up skills for existing staff.

Question 30 – Is your local authority considering making use of further education courses in the coming year?

Answer Options	Response Percent	Response Count
Yes	23.6%	33
No	40.7%	57
I don't know	35.7%	50
<i>answered question</i>		140
<i>skipped question</i>		2

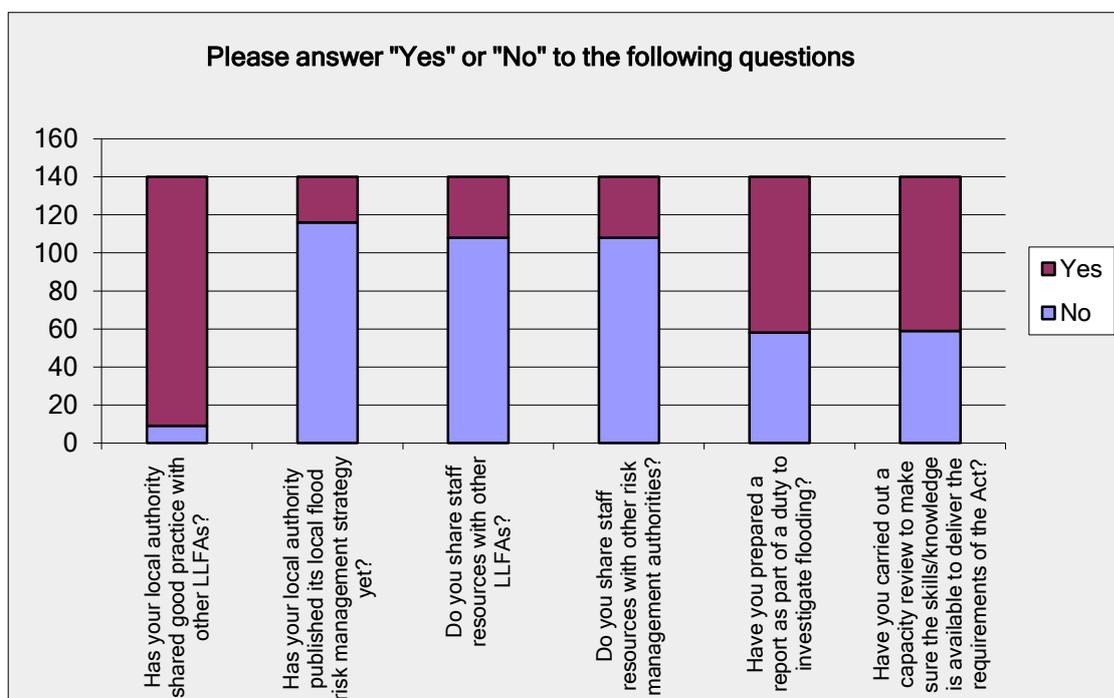


Conclusions and recommendations drawn from responses

- Almost 24% of respondents' local authorities are planning on making use of the further education courses available in the coming year, with 35% unsure. This is similar to the 23% who were considering it in the February 2012 survey.

Question 31 – Please answer “Yes” or “No” to the following questions

Answer Options	Yes	No	Response Count
Has your local authority shared good practice with other LLFAs?	131	9	140
Has your local authority published its local flood risk management strategy yet?	24	116	140
Do you share staff resources with other LLFAs?	32	108	140
Do you share staff resources with other risk management authorities?	32	108	140
Have you prepared a report as part of a duty to investigate flooding?	82	58	140
Have you carried out a capacity review to make sure the skills/knowledge is available to deliver the requirements of the Act?	81	59	140
<i>answered question</i>			140
<i>skipped question</i>			2



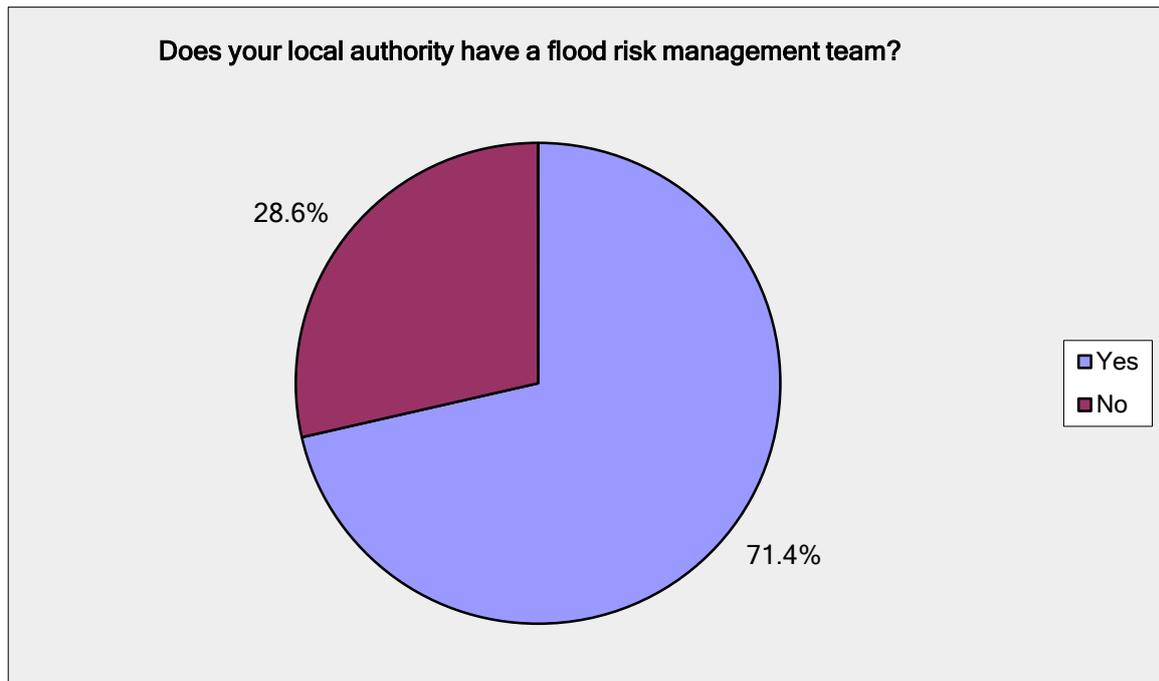
Conclusions and recommendations drawn from responses

- Over 93% of respondents have shared good practice with other LLFAs, a 10% increase from the February 2012 survey, reflecting the ability of the LLFAs to work as a network.
- 23% of respondents have shared staff resources with other LLFAs or risk management authorities, showing that LLFAs are willing to share resources with their partners.
- Almost 58% of respondents have carried out a capacity review; this is a slight increase from 52% in February 2012 survey.

- Only 17% of the respondents' local authorities have published their local flood risk management strategies. Roger may want to add a comment to this

Question 32 – Does your local authority have a flood risk management team?

Answer Options	Response Percent	Response Count
Yes	71.4%	100
No	28.6%	40
<i>answered question</i>		140
<i>skipped question</i>		2



Conclusions and recommendations drawn from responses

- Over 71% of the respondents' local authorities have a flood risk management team. This is a very significant increase from 39% in 2012. It is encouraging and shows that the Flood and Water Management Act (2010) is becoming recognised as an important enough activity to require its own teams within local authorities.

Question 33 – How many full time equivalent staff currently work on flood risk management within your local authority?

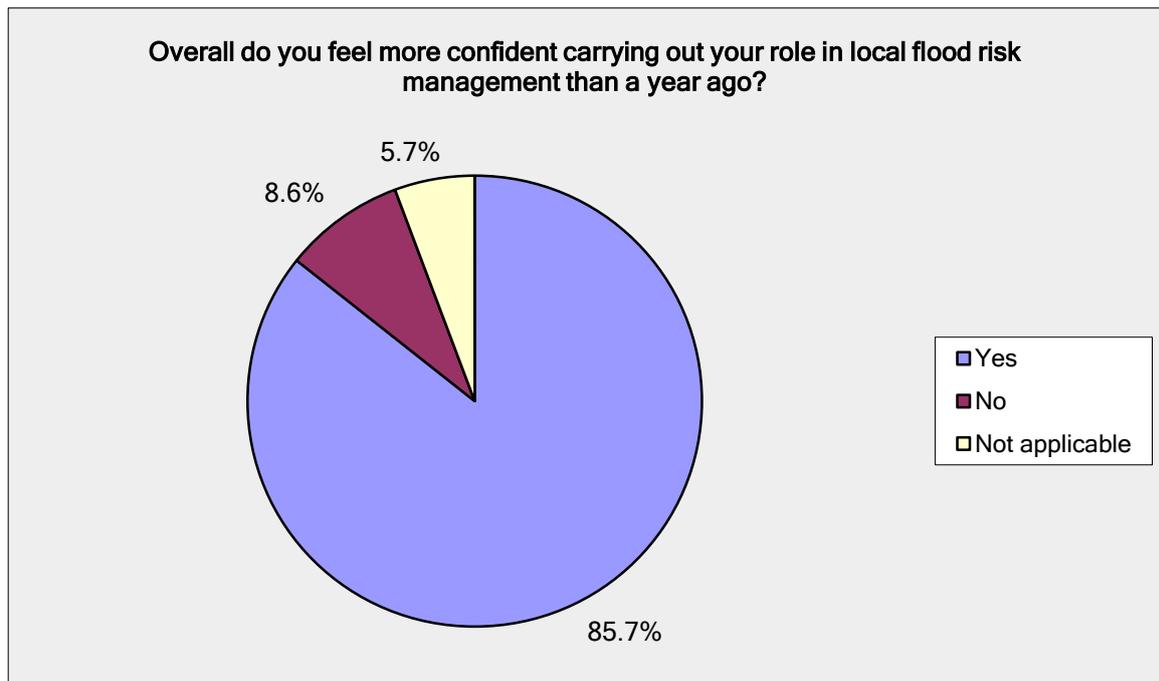
Full time equivalent staff numbers	Number of respondents	Percentage
None	4	3%
Less than 1	12	9%
1 to 3	71	52%
3 to 5	39	29%
5 to 10	9	7%
10 or more	1	1%

Conclusions and recommendations drawn from responses

- 3% of LLFAs still have no full time equivalent flood risk staff at all, with another 9% having less than 1% FTE. This is similar to 2012. This is a concern given its nearly three years since the enactment of the Flood and Water Management Act (2010). It remains unclear who will be carrying out their LLFA roles in these cases.
- 37% of LLFAs have 3 or more staff. While this is an improvement from 29% in 2012, there remains the risk that these small teams may not be resilient and will be unable to cope with the diversity of issues that need to be managed in relation to the Flood and Water Management Act (2010).
- Although the flood risk teams may be small they may not represent the total resource expended on flood risk issues as often these teams work through other departments to achieve results and gather information (for example their planning or highway departments).

Question 34 – Overall do you feel more confident carrying out your role in local flood risk management than a year ago?

Answer Options	Response Percent	Response Count
Yes	85.7%	120
No	8.6%	12
Not applicable	5.7%	8
<i>answered question</i>		140
<i>skipped question</i>		2

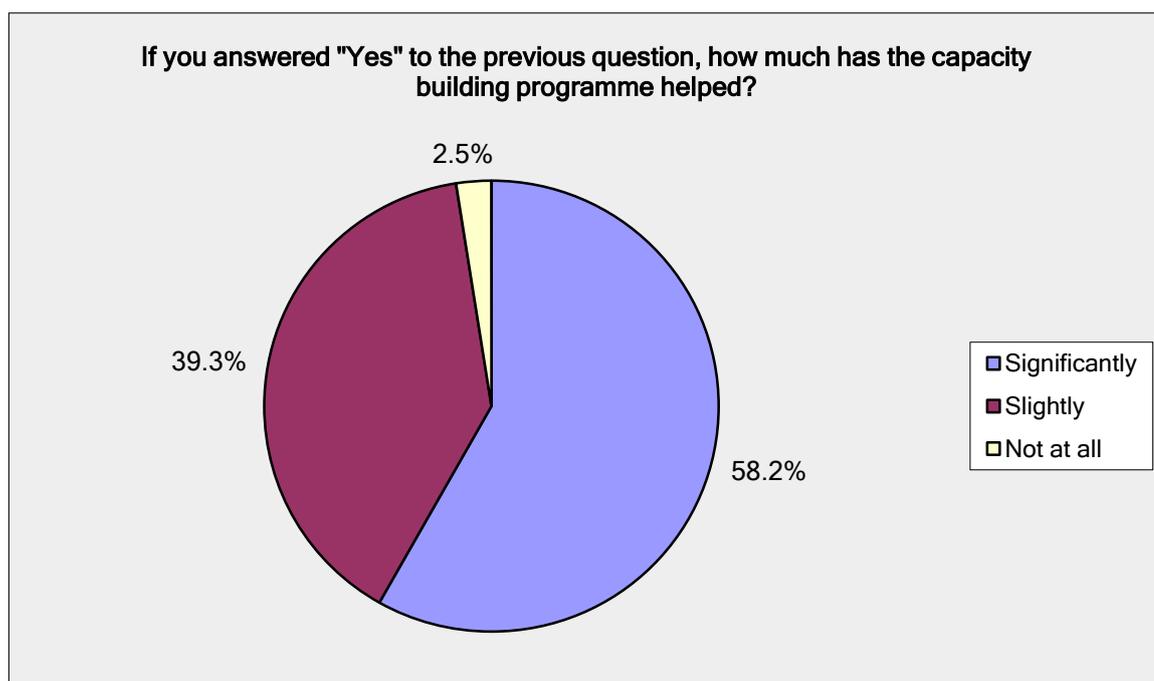


Conclusions and recommendations drawn from responses

- 91% of the responders feel more confident in carrying out their local flood risk management role compared to a year ago.
- Given that a similar percentage felt more confident in 2012 compared with the preceding 15 months, it can be concluded that the vast majority of LLFA staff are clearly building and increasing in confidence year on year.

Question 35 – If you answered “Yes” to the previous question, how much has the capacity building programme helped?

Answer Options	Response Percent	Response Count
Significantly	58.2%	71
Slightly	39.3%	48
Not at all	2.5%	3
<i>answered question</i>		122
<i>skipped question</i>		20



Conclusions and recommendations drawn from responses

- Of the 91% of staff who felt their confidence in delivering their role has increased in the past year, almost 97.5% felt that their Capacity Building Programme had positively influences their increased confidence.
- This is a similar result to the 2012 survey, showing that the capacity building programme continues to play a vital role in equipping LLFAs to deliver their role.
- The proportion of respondents who felt the impact of the Capacity Building Programme on increasing their confidence to carry out their role over the past year was significant has increased slightly compared with the February 2012 survey, from 53% to 58%.
- The above is very strong evidence that the capacity building programme has continued to deliver its objective to support the implementation of the Flood and Water Management Act (2010).