2. Presentation skills

Stakeholders and Impact [What is a "stakeholder"?]

Give me examples of your research

Who are the stakeholders for your research?

How will you ensure that your research will have impact on your stakeholders?

You have done your research and now you want to present it to an international audience at a meeting in somewhere exotic; let's say ...

.... Vrdnik

but first ...

Did you know?

- Student PhD researchers are special!
- ❖ Do not waste the (rare) opportunity of going to an international scientific meeting to network!
- ❖ A **scientific meeting** is an opportunity for you to have *impact* on some of your stakeholders.
- ❖ An *international* scientific meeting is an opportunity for you to have impact on your foreign stakeholders.

A poster can be an excellent way to have *impact* on your *scientific* stakeholders, but only if you design it to have most impact!

I'll now give some information on poster presentations.

Assuming that a poster consists of these components:

- ❖ A title
- A summary
- Background information
- Description of the research methods
- Results of the research
- Discussion of the findings
- Conclusions

Which do you consider to be the most important?

- ❖ Title and **overall appearance** eye-catching, to make the passer-by stop to read it. If noone stops, you may as well be invisible - impact zero!
- **Conclusion** is the most important information.

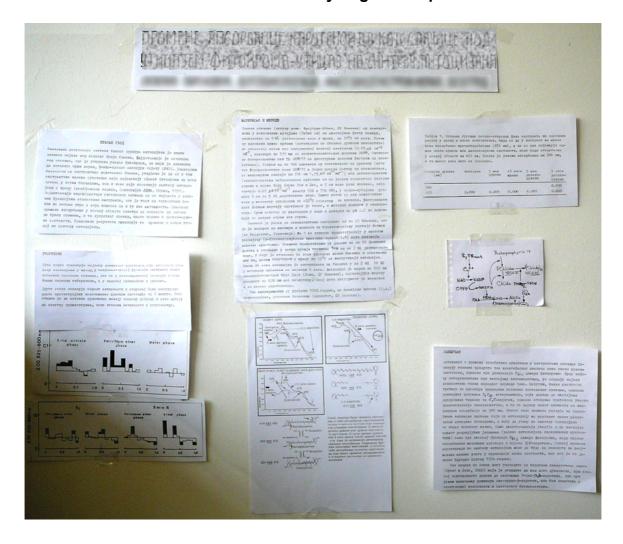
Now let's look at some poster examples







What score out of 5 would you give this poster?



Well, I suppose it certainly has *Impact*, but not the right sort!

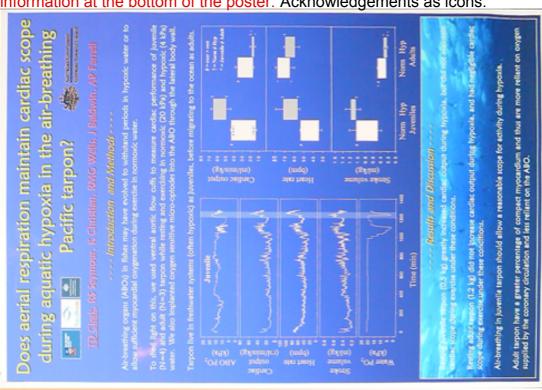


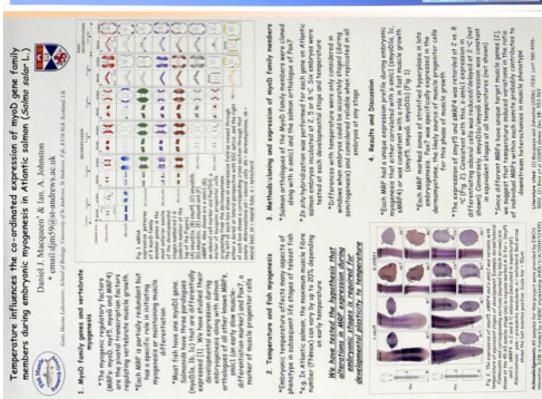


Building Capacity of Serbian Agricultural Education to link with Society, CaSA 544072-TEMPUS-1-2013-1-RS-TEMPUS-SMHES (2013 – 4604 / 001 - 001)

OK, look at these 8 posters. What are your comments on these two?

Title easy to read. No summary. Colour scheme makes text hard to read. Text across full poster width. No contact information!. Most important information at the bottom of the poster. Acknowledgements as icons.





No summary. Title boring and too small. No take-home message. Text a bit difficult to read and too dense. Most important information at the bottom of the poster.

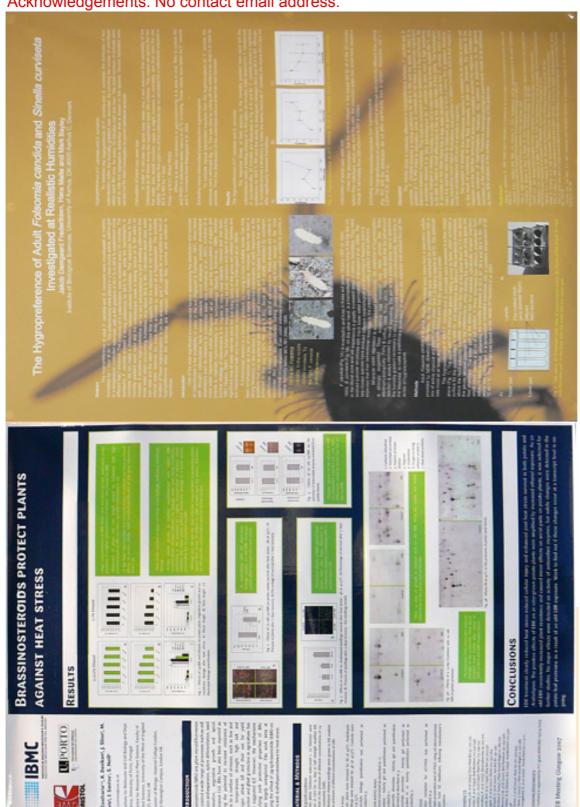
TEMPUS

CaSA



Building Capacity of Serbian Agricultural Education to link with Society, CaSA 544072-TEMPUS-1-2013-1-RS-TEMPUS-SMHES (2013 – 4604 / 001 - 001)

Summary present but long. White text on brown makes it hard to read. A wall of text makes it impossible to read easily. Too many References. No Acknowledgements. No contact email address.

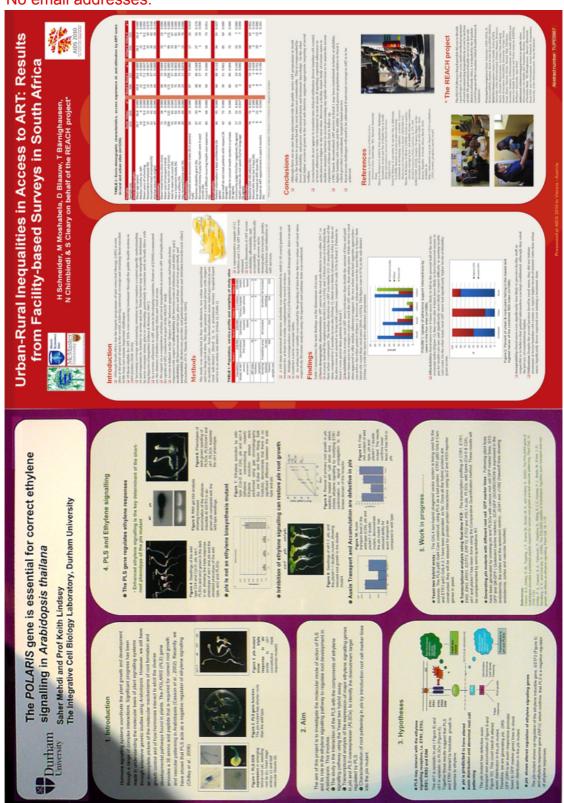


Unusual layout. Nice clear title. Take-home message in the title. Text on green is too small. Most important information at the bottom of the poster!

TEMPUS CaSA

Building Capacity of Serbian Agricultural Education to link with Society, CaSA 544072-TEMPUS-1-2013-1-RS-TEMPUS-SMHES (2013 – 4604 / 001 - 001)

Title easy to read. Again simple layout but. Colours break up the table nicely. Conclusions not at the bottom. No abstract/summary. Text rather small to read. No email addresses.



Clear layout. Numbered boxes make it easy to follow. Take-home message in the title. No email address. A poster prize winner. Spelling mistake in the title!

TEMPUS CaSA



Working Fathers in Europe: Earning and Caring?













University of Edinburgh, School of Social and Political Studies

Alison Smith

Policy Implications

That fatherhood and labour market outcomes are intrinsically linked has significant policy implications:

◆ While mothers across Europe still spend more time caring than fathers, there are considerable cross-national differences in father's participation in childcare.

Key Findings

Fathers in the Nordic countries spend the most childcars time and fathers in Greece and Portugal spend the least.

The findings are based on analyses of panel data from the European Community household panel (ECHP). The ECHP is a particularly unusual data source since it is both longludinal and comparative. Through repeat annual interverse, this originalinal survey follows men in the context of the households within which they live, for the eight years from 1994 to 2001. The survey provides information on time spent by respondents booking after children as well as rich sooke-economic contextual information. The analysis locuses

♣ Pre-fathers and other non-fathers are not the same in terms of their labour market outcomes. Becoming a father i positively associated with a mari's labour market shuation. Thus, labour market outcomes appear to be linked to male fettility.

For more

European Fathers and the Time they Spend Looking Affer Their Children For more information on:

http://www.sps.ed.ac.uk/staff/smith%20alison.htm Alison Smith
School of Social and Political Studies
School of Social and Political Studies
University of Edinburgh
Ph: 0131 6511147
Email:
Wei: http://www.sps.ed.ac.uk/staff/smith



This poster is based on work funded by the ESRC and adapted for a research briefing with support from the Centre for Research into Families and Relationships, University of

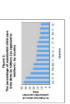
Kaufman, G. and Uhlerberg, P. 2000. 'The Influence of Parenthood on the Work Effort of Married Men and Women', Social Forces, 78 (3): 931-849.

Marsiglio, W. 1995. Fatherhood: Contemporary Theory, Research, and Social Policy, London: Sage.

Acknowledgements

creates a father who is both Reducing the number of hours that a father works, whilst ncreasing his hourly wage rate, creates a fatl a good financial provider and an active carer.

on a representative sub-sample of all working men, employed and a self-employed. A across the European Union. Results are reported for resident social fathers, i.e., men who are living in a household with dependent children for whom they care, regardless of their legal or biological connection to the child.



One of the limitations of much survey-asyle research is that if gives a snapsfort of the social contect being studied at one time only. Using only cross-sectional data it is not possible to track changes over time or to identify the cause and effects of for example, becoming a father. Longlucinal panel studies are an attenty to respond to this problem. In such studies are an attenty to respond to this problem. In such studies, the same sample of the population is surveyed at regular intervals, so that any dranges over time can be regular intervals, so that any dranges over time can be measured and reported by Deceiving the same people each time, we can be sure that any changes we observe are not deter for indirectors between these individuals themselves having changed over time in case in the procuration.

A. There are considerable gendle gaps in the amount of time parents spend looking files their children. Fathers spend between 11% and 33%, in Greece and Demmark respectively, of the total amount of substantial parental children time.

On average, fathers across Europe earn more per hour than non-fathers, but they do not work longer hours.

On average, fathers who spend more time with their children also earn more per hour and work fewer hours than those fathers who spend less time with their children.

In the couple of years prior to becoming fathers, fathers to-be are already earning more per hour than other non-fathers.

Father Friendly Policy Index

, becoming a father.

Father-friendly policy enables fathers to spend more time looking after their children

A Fathers in countries with more father-friendly provision generally spend more patiental time (with exceptions)

A Gender-neutral 'parental' policies are less effective than policies specifically largeted at fathers

Two such competing strategies of co-residential fatherhood are brund in the literature, ramely that of the "good provider and that of the "sche father" (Kalman and Uhlenberg 2000). This study looks beyord this simplistic dichotomy of fathers who care and considers whether some fathers actually manage to do but hether some fathers actually manage to do both.

For more see: Smith, A. J. and Williams, D. (2007) "Father Friendly Legislation And Paternal Time Across Western Encope" Journal of Comparative Policy Analysis 9 (3) (forthcoming).

A common conception of modern fatherhood is that there have to be at acceled the there as a father either being a firancial provider or an active carer. Drawing on an analysis of large-scale European survey data, which is both rogitudinal and comparative, this study explores the possibility that a father's success and commitment as a financial provider does not necessarily prevent a similar commitment to the caring and runtum's aspects of fathering (Marsagiol 1959). As a man enters into parenthood, we might expect to see changes to the about a beginning the so to paid work as well as changes to the effort and time he devotes to domestic work. A father's abour maked cutorines are expected to differ from those of a non-father. He might be more inclined to work longer hours and be more ambitious as part of an effort to better provide imenativily for his rew family, thus offsetting the increased costs of becoming a parent. Conversely, he might reduce his working hours and place greater emphasis on his domestic fife as part of an effort to spend more time carring for his family. In this study, earnings of co-residential fathers and non-ifathers are compared to rote to examine whether fathers who spend more time looking after their dinictent work fewers who spend and earn less than other fathers and non-fathers, for the period 1994 to 2001, in fourferen European countries. Parental Financial Commitments Combining Parental Care and

Nice clear title. Clear simple layout. Nice section headings. Take-home message. A bit too much text. Figure is too small. No summary.









Why Visual Cues of Portion Size May Influence Intake

Brian Wansink, Jill North, and James E. Painter

Conclusions

 First, the amount of food on a plate or in a bowl provides a
visual cue or consumption norm which can influence how mu
on expects to consume and how much one eventually
consumes. Portion size can influence intake in two ways.

We propose that portion sizes increase consumption because they suggest larger consumption norms. That is, the amount of food in a bowl may implicitly suggest what might be construed as a "normal" or

nay implicitly suggest what might be construed as a "normal" or appropriate" amount to consume. If some is left, we'll keep eating.

Many studies have shown portion size influences intake. Why does it?

To investigate this, we examine participants who are given soup bowls that refill themselves. These individuals consumed 73% more soup, but did not realize they had done so.

People use their eyes to determine how much they eat. This biases their intake and can lead to overconsumption

We over-rely on visual consumption cues when determining much to eat. We can also use this insight to reduce intake Second. the amount of food on a plate or bowl can influntake by leading a person to not monitor their consumption. The Bottom Line

Repackaging bulk foods into smaller zip-locked portions o provide the visual that cue we (or our children) have eater full serving of a snack. Using smaller than normal-size plates, bowls, and glas may lead us to believe we have enjoyed a full portion.

Four-card 4.
Faller JO, Rols BJ, Birch LL. Children's bite size and intake of an entries are greater with integer performs. American Journal of Clinical Nutrition.

American Journal of Commission of Clinical Nutrition.

Natural Voeting M, Erating in the Laboratory. Behavioral Aspects of the Positive Erreing Balance. International J. of Doessoy, 1977;1589-586.

Rols BJ, Morris EL, Rev LS, Fortion Size of Food Metels Erreing Integer.

Normal-Weight and Overweight Men and Women American Journal of Clinical Nutrition. SCCUP, PRICE/TI-SIZE/TI-SIZE Overweight Mension of Clinical Nutrition. SCCUP, PRICE/TI-SIZE Overweight Mension of Manistrik B. Can package size accelerate uses volume? Journal of Manistrik B. Can haddege size accelerate uses when the consumers and instee of consumers. Annual Review of Nutrition.

2004;24:4654-79. Selected References: Ello-Martin JA, Roe LS, Meengs JS, Wall DE, Robinson TE, Increasing the profilons rize of a unit food increases energy intake. *Appetite*. 2002;39:74.

F-test (1,52)

Visual Cues of Consumption

Biased Visual Cue (Self-refilling Soup Bowls)

14.7 ± 8.4 267.9 ± 153.5

82±69 1226±101.0

Cornell Universit

For more information go to: foodpsychology.cornell.edu

98.8.92 127.4.956 53.8.24 47.8.28 66.8.25 61.8.27 30.8.19 51.8.27 70.8.18

49±23 47±25 62±21 64±22 34±21 33±23 71±17

Abstract

Using self-refilling soup bowls, this study shows that visual cues related to portion size ("Is my bowl empty yet?") can influence intake volume without <u>altering</u> estimated intake or satiation. Introduction

Especial seasonaples Valence

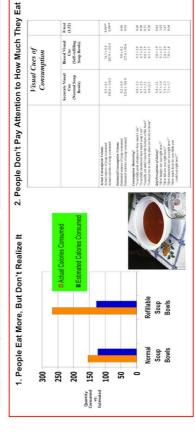
Results

Fifty-four participants (Body Mass Index of 17.3-36.0 kg/m.2; aged 18-46) were recruited to participate in a study involving soup.

The experiment was a Between-subject design with two visibility levels: 1) an accurate visual cue of a food portion (rormal bow) vesters 2, a biased visual cue of a food portion (rormal bow) vesters 2, a biased visual cue (self-refilling bow). The soup apparatus was housed in a modified restaurant-style table in which two of four bowls slowly and imperceptibly refilled as their contents were consumed.

• 1. Participants who were unknowingly eating from self-refilling bowlet ate 73% more soup (14.7 \pm 8.4 vs. 8.5 \pm 6.1 oz; F1,52=8.99; p<.01) than those eating from normal bowls. This was unaffected by BMI.

•2. Despite consuming 73% more, they did not believe they had consumed more, nor did they perceive themselves as more sated than those eating from normal bowls.



Nice clear title Clear simple layout Nice use of colours A short clear abstract Take-home message and not at the bottom. No email addresses

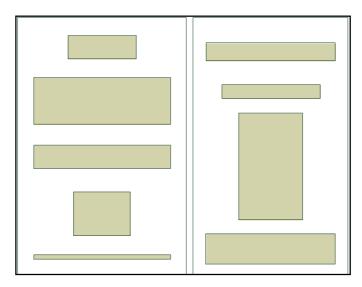
Contact information at the website.



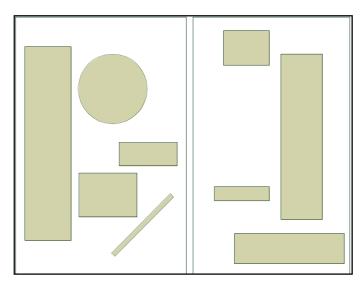




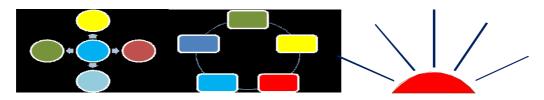
Examples of poster layouts:



Symmetric balance



Asymmetric balance



Radial balance





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So, lets summarise the best points:

- * Title Eye-catching to make someone stop to read on (It could be in the form of a take-home message. A question is also good for getting people to stop.)
- Layout Uncluttered, clear, simple, maybe with boxes for text and graphics
- * Boxes Numbering them makes it easy to follow the sequence
- Boxes look nicer with rounded and not square corners
- Summary A <u>brief</u> summary at the top often helps
- * Text Use a simple font (like Arial) and large font size (ideally no less than 24 point)
- Text Keep it simple and brief, with short sentences
- Don't put green text on a red background or vice versa because of red-green colour blindness
- Results These are better shown graphically than in tables

Summarising the best points (2):

- Conclusion Include a simple take-home message and try to avoid putting this at the bottom!
- * Colours Use coloured borders to break up a wall of text, but don't make colours too intrusive (in the way)
- * Main points Coloured boxes will attract the reader's attention to the main points
- ❖ Background Make sure any background image does not intrude (get in the way) too much on the story
- Adding your photos will help people to recognise you
- Remember to include your e-mail addresses
- * Remember to include Acknowledgements, especially of funding sources

Summarising the best points (3):

Other points:

- Try to leave empty space so that the content stands out to the reader
- Don't abandon your poster at any time during the poster viewing session
- ❖ Remember to bring adhesive tape or "Blue tack/Buddies" to fix your poster in case the organisers don't have anything to hand
- Copies It is helpful to bring a number of A4 copies as handouts
- Get yourself some business cards to hand out to people
- * Note that a poster abstract, usually published for the conference, can contain extra detail that can be omitted from the poster itself.

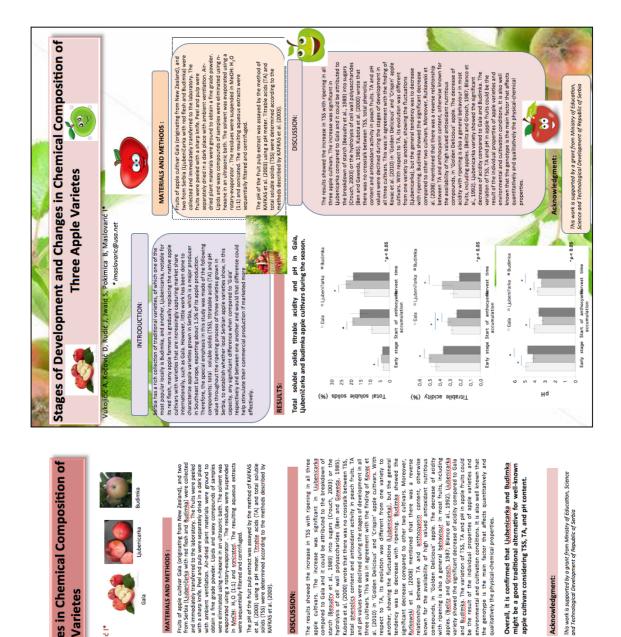
To finish this session, here is a selection of posters prepared by my PhD students all describing the same piece of research

These demonstrate how many different ways there are to describe the same information!









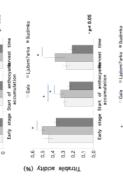
Three Apple Varietes Vukojičić A, Kočović D, Rudić J, Jwaid S, Pokimica B, Maslovarić I* imaslovacic@ usa.net

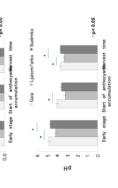
Stages of Development and Changes in Chemical Composition of

And a precision. Airdride plant materials were ground to obdish a fire gade powder. Logical and ways compounds of samples were eliminated using riberane in an ultrasoric bath. The solvent was reversed and a rotary-esponsor. The residues were superied ever excupending freed and centrality for residues were superied to the compound of the residues were superied to the residue and centrality and the residue and centrality and the residue were superied to the residue and centrality and the residue and centrality and the residue were superied to the residue and centrality and the residue and th The pH of the fruit pulp extract was assayed by the method of KAFKAS et al. (2003) using a pH meter. TXXXAS ecids (TA) and total soluble solids (TSS) were determined according to the methods described by Therefore, the special emphasis in this study was made of the following amountents: uses a Soluble solidist's (1871, 1872), 1872, 18 cultivars with varieties that are increasingly capturing market share internationally, such as daia. However, little work has been done to characterize apple varieties grown in Serbia, which is a major production. In Southeast Europe, exporting about 1.5% of its apple production. Serbia has a rich collection of traditional varieties, of which one of the most popular locally is <u>Sudimka</u>, and another, <u>Unbenicatio</u>, notable for its red flesh, many apple farmers is gradually replacing the native apple

rotal soluble solids titrable acidity and pH in Gala, jubeničarka and Budimka apple cultivars during the season.

The results showed the increase in TSS with ripening in all three apple cultivars. The increase was significant in UNDEDIGARS compared to Gala and it could be attributed to the breakdown of





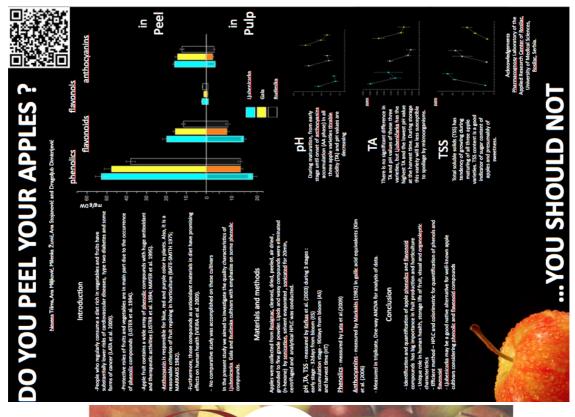
Overall, it is confirmed that <u>Liubenicaties</u> and <u>Buddinka</u> might be a good traditional alternative for well-known apple cultivars considering TSS, TA, and pH content.







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Building Capacity of Serbian Agricultural Education to link with Society, CaSA 544072-TEMPUS-1-2013-1-RS-TEMPUS-SMHES (2013 - 4604 / 001 - 001)

Do traditional Serbian apples have more health protective characteristics than Gala?

BACKGROUND

The consumption of applies has been associated with netdood risk or cardiopacular diseases and cannot will have the first proving interest and proving interest applies beginning the first proving interest of Sophies. Polymerotic anticologist and proving interest of Sophies in Polymerotic anticologist human becopating hospies to exceed the presence of opening. Additional control to the presence of opening. To according the major and control to the presence of opening. To according the major and control to the presence of opening. To according the major and control to the presence of opening. To according the major and control to the presence of opening. To according the major and control to the presence of opening and anticologist has a controlled to the profession for the control of practicing varieties and the properties of this study were to examine the protective role of paper first through aspect of their promotion profession. To establish withter local Schalam apply carefules have beneficial commercial production.

MATERIAL AND METHODS

All of the applie cultivars used verso oldesded from the Reside district of Sectio. After transportation to the Primanagorosy Laboratory of the Applied Research Contrer of Residue and their applied to the Contrer of Residue and their ground to a fine grade powder. Following the extraction finish source and a fine grade powder, following the extraction facility was controlled applied applied and controlled applied applied applied and their primarile compounds and certificiated applied applied and certificate and and certificiate their previous compounds were quantified using marificed using marificed to talk at al. (2003). For experison of primarile and controlled by the separation of method described by talk at al. (2003). For experison of the primarile and the second of the separation of the

uservatin-3-D-galacticide and operior-3-galacticide the coord and the first payed were spetims were stabilished.

The pH of thic pulp extract was assayed, using a pH made, by the method of Makas et al. (2003), and so were testible ands (TA) and total soluble solids (TS). Total anthoopering the method of Makasias (1982). Total powerhospanities were quantified using the speciphochomore, method edited by Balac-Smith (1975), while for the total filtromoid content, method of Makasias (1982), while for the total filtromoid content, method of Walac-Smith (1975), while for the total filtromoid content, method of Walac-Smith (1975), while for the total filtromoid content, method of Walac-Smith (1976), and phospied. One-way ANOVA was used for the analysis of the data.

CONCLUSION

Our data have clearly shown supremacy of traditional Serbian appearance and Budinas over international commercial variety Gala in content of compounds well known of these control of the service and in content of compounds amount of these compounds is found in open of all three studied fully and with the studied compounds is found in open of all three studied these compounds in some international compounds in some international compounds. I variety Gala in content of compounds well know tritive value and antioxidant effect. Highest amou compounds is found in peel of all three studit which indicates consumption of apple with peel migh include to achive better nutritive as well as healt

proanthocyanidins, flavanols, epicatechin and catechin content in peel of three apple varieties were higher than in the pulp. The results peel of three apple varieties were higher than in the pulp. The results of study are in agreement with those reported by Manzoor et al. 2012 and Leonlowicz et al. 2019. Results indicated that Lubenifisativa can Traditional Serbian cultivars Lubeničarka and Budimka had higher amount of phenolic compounds than commercial cultivar Gala. Total considered as a potential source of natural antioxidants DISCUSSION

RESULTS



content was related (quantified by HPLC) content in three apple t

UNIVERSITY OF BELGRADE, FACULTY OF BIOLOGY Belgrade, Serbia

LEAVE THE PEEL ON THE APPLE

Ana Sedlarevic¹, Bojana Zivanovic², Ivana Maric³,

Jovana Kostic4, Saska Fatic5

1. INTRODUCTION

Apple varieties Gala, Ljabeničaka and Budimka were collected from the Rosilae district of Serbis. Air-dried plant materials were ground to obtain a fine grade powder. Lipids and waxy voiton of Solvett was evaporated using a rotary-evaporator. "Solvett was evaporated using a rotary-evaporator."

I have supported in 100ml McOH: H₀O/1-1-1

I phenolis-

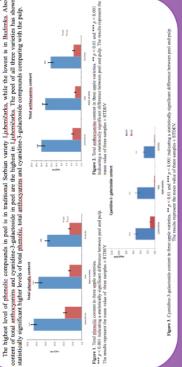
Traditional apple varieties, like Badimka and Ljubeničarka, are ohen replaced with new varieties, such as dial. They are at risk, despite their attractively-colored red skins, delicious pulp and good shelf-life qualities. It is well known that the consumption of applies is bounded with reduced risk of many serious degenerative diseases. This fact is associated with the content of flavonoids and polyphenoite compounds which are known to protect the nums body against conduive stress. The red color of apple poet is due to the presence of spanisher-jealactosisk, the major aithocyanin present in red varieties. Although all compounds with the anticodural activity are known to be lightest in the peels when the authority activity are known to be lightest in the peels, the peel is frequently discarded before the apple is consumed. The aim of this study was to examine the protective role of apple through aspects of their phenoifs profiles, and to gover if the local Schhain apple varieties have beneficial protective characteristics.

Anti-oxidant phenolic compounds were quantified according the method described by Late at (2009). Cyanidin-3-galactosis was separated by the third binary solvent system of 0.1% form acid in water/inchanol, with gradient of 10-100%.

of its watering and its gradient of 10-100/00.

Total anthographic contents were measured by the method nitakis (1982) and are expressed as gallie acid equivalents by the Folin-Ciocalteu method (Kim et al. 2006). Total anthocyanin contents Markakis (1982) and are expre

3. RESULTS



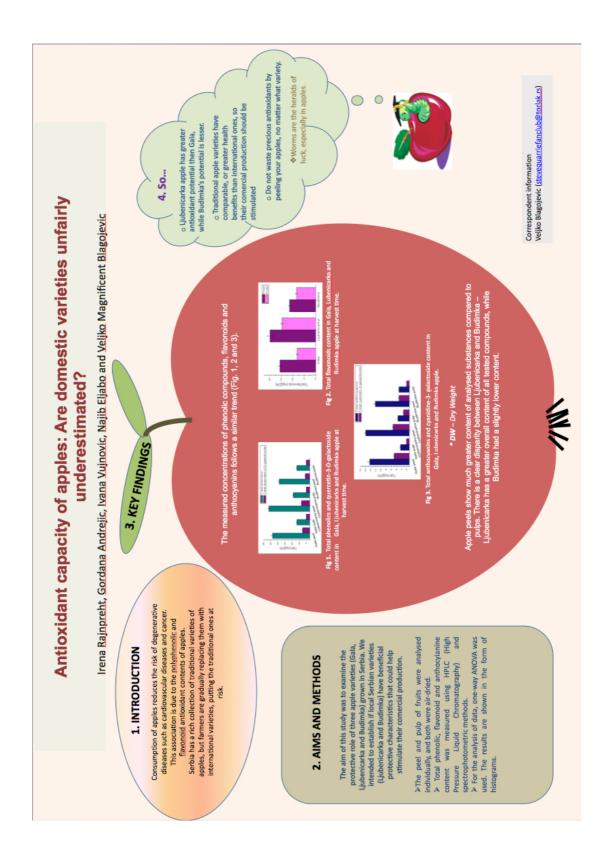
4. CONCLUSION

cotally cyanidine-3-galactoside, have gained great importance in ioganoleptic characteristics of fruits and in human health, HPLC phenolic and flavonoid compounds. The peel of all varieties sho e a greater awareness among or showed higher levels of total ty, what is advantage when it ation of phenolic and flavonoid Traditional Serbian variety I ring with the pulp. This result indicates, es with peel. Traditional Scrbian variet 3-galactoside, comparing with internation content and total anthocyanins, espe-Assessment of total phenolic content and total as production, due to unique roles of these compoun colorimetric methods showed their efficiency for the













anthocyanin contents are expressed as

acetonitrile) and cyanidin-3-galactoside

formic acid in water/methanol).

dind III

acid equivalents by the Folin-Ciocalteu method. Proanthocyanidins concentration was

gallic ota

determined by Bates-Smith spectrophotometric The total flavonoids content was determined

using a colorimetric method

and rutin hydrate was used as a standard.

(MG8/8m)

Pulp

Pee

Are international apple cultivars truly better than traditional ones?

Bijelić Dunja, Breka Srđan, Dakić Tamara, Petrović Katarina & Vesović Nikola

- Summary -

ničarka and Budimka) were collected from the Fruits of apple cultivar Gala (originating from New Zealand) and two from Serbia (Ljube-3. Materials and methods

Rosilac district of Serbia. Peel and pulp were Separation of phenolic compounds was carried system of the mobile phase for quercetin-3-Dgalactoside (0.25 mM phosphate buffer, pH 2.5/

separately dried and analysed.

out with an HPLC system with different solvent

Native cultivars are richer in compounds that positively influence human health. Peel contains far more of these substances than pulp in every cultivar. Overall, it seemed that Ljubeničarka may be a good native alternative for well-known apple cultivars considering phenolic and flavonoid compounds.

The consumption of apples has been associated

1. Introduction

4. Results and discussion eximiping eximiping 60.0 50.0 30.0 20.0 10.0 cyanin contents as well as antioxidant activity are known to be highest in the peels. The peel is with reduced risk of degenerative diseases, such as cardiovascular diseases and cancer. This association is often ascribed to the polyphenolic antioxidant contents of apples, and these, together with flavonoids, are known to protect the human body against oxidative stress. Total phenolic content is known to be positively associated with total antioxidant activity in both the Although total phenolic, flavanol and anthofrequently discarded before the apple is con-

peel and pulp of apples.

(MQ8/8m) Quercitin-3-D-galactoside (mg/ (MQ8 exequagnit (MG8/8m) Total phe 2.50

0.50 2,00 1.50 1,00 000

growing industry in Serbia. Although Serbia has a collection of traditional varieties, of which Apples are an important sub-sector of the fruit one of the most popular locally is Budimka, and another, Ljubeničarka, is notable for its red pulp, many apple farmers are gradually grubbing up their traditional apple varieties and replacing them with varieties that are increasingly captuing market share internationally, such as Gala.

2. Objectives

protective role of apple fruits through aspects of their phenolic profiles, including flavanol and The objectives of this study were to examine the tion if marketed more effectively.

It's revealed that the highest amount of total phenolics, anthocyanins, proanthocyanidins and flavonoid compounds were recorded in Ljubeničarka apple peel. HPLC analysis showed that the highest quantity for flavanols were in Ljubeničarka fruit (both peel and pulp).

the Ministry of Education, Science and Techno-logical Development of Republic of Serbia

funded our project.

We are greatful for generous support from

5. Acknowledgements

(MG8/8m)

Contact us at: n.veson@gmail.com

(MQS

vity, of three varieties grown in Serbia, to establish whether local Serbian apple varieties anthocyanin contents as well as antioxidant actihave beneficial protective characteristics that help stimulate their commercial produ-





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Local Serbian apple varieties have high amounts of phenolic compounds

Ana Stančić, Ivana Bo<u>liević,</u> Dijana Drača, Dunja Lukić, Milica <u>Kojadinović</u> Faculty of Biology, University of Belgrade, Serbia

1. Background

The consumption of apples has been associated with reduced risk of degenerative diseases, such as cardiovascular diseases and cancer. With almost 15 million trees, apples are an important sub-sector of the fruit growing industry in Serbia. However, little work has been done to characterise apple varieties grown in Serbia. To establish whether local Serbian apple varieties (Ljubeničarka, Budimka and Gala) have protective properties, phenolic omfiles. have protective including flavonol a determined.

4. Conclusion

content of these compounds in comparison with data and Budimka. Atthough traditional apple varieties are at risk of being substituted with the popular international ones, our data indicate that there is a great chance to stimulate their commercial production. Protective roles of apples are in main part due to the occurrence of chenolic compounds. Our results show that Liubenicarka has the highest

5. Acknowledgments

and anthocyanin contents were

This work was supported by a grant from the Ministry Education and Science, Government of the Republic Serbia.

2. Materials and Methods

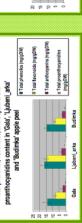
Collected fruits were rinsed with distilled water, dried and peeled. Air-dried plant materials were ground to grade powder. Lipids and waxy compounds were eliminated using n-hexane in ultrasonic bath. The residues were suspended in MeOH:H2O and sonicated. The aqueous extracts were filtered and centrifuged.

Chemolic constituents in extracts were assayed by HPLC. Total authocognin contents are expressed as galic acid equivalents by the Folin-Glocaltau method. Total <u>proanthocognitins</u> were quantified using spectrophotometric method.

Total <u>othenolics, flavonoids, authocyanins</u> and <u>organthocyanidins</u> were measured in triplicate and one-way ANOVA was employed for the analysis of data. Mean comparisons were carried out by Student's t – test.

3. Results and Discussion

Total phenolics, flavonoids, anthocyanins and



■ Total flevonoids (mg/g0/fit)

proanthocyanidins content in 'Gala', 'Ljubeni_arka' and Total phenolics, flavonoids, anthocyanins and

Budimka' apple pulp

■ Total anthocya

F

Ljubeni arka

Gala

Total phenoile, flavonoid, anthocyanin and proanthocyanidin contents were significantly higher in both Litubenifarika's peel and pulp compared to Budimka and Gala varieties. Budimka and Gala apple varieties were quite smillar with few differences. The majority of the difference in <u>phenoilies</u> contents was due to higher amounts of quercetin-3-D-galactoside while the increase in <u>proanthocyanidin</u> content was the major reason for elevated amounts of total flavonoids in <u>Lubenifarika</u>.

Contact info:

Jubeničarka, local apple variety in Serbia, has greater beneficial effects on human health compared to Gala and Budimka varieties

Milan Gavrilović*, Željko Savković, Danijela Vidaković, Jelena Janković, Milan Glišić

*milan1407@yahoo.com

Introduction

Materials and Methods

compounds were quantified according to the method described (2009). The jiff citing they accurate was assayed by the method of 10001) using a jul meter. Total expressions contents were measured by 10001 using a jul meter. Total expressions are contents were measured by method previously described by KIM et al. (2006).

Results and Discussion

EIRA et al. 2009).

2 peel and pulp had higher amounts of the peel and pulp had higher amounts of the Caba (Compt) 2

2 than "Budimka" and Caba (Compt) 2

2 than amounts of that Compt) er than pulps (Graph 1). studies have shown that total giber

Graph 4. Total total total total and Sala apple.

Graph 1. Total changing and quercetin-galactische content in "Laboucherta", "Budi and "Gala" apple at harvest time.

Conclusion

Graph 3. Total actionactic and cyanidine-3. Controlled in "Caldendaria", "Budinia" and Gala" apple.

. 3

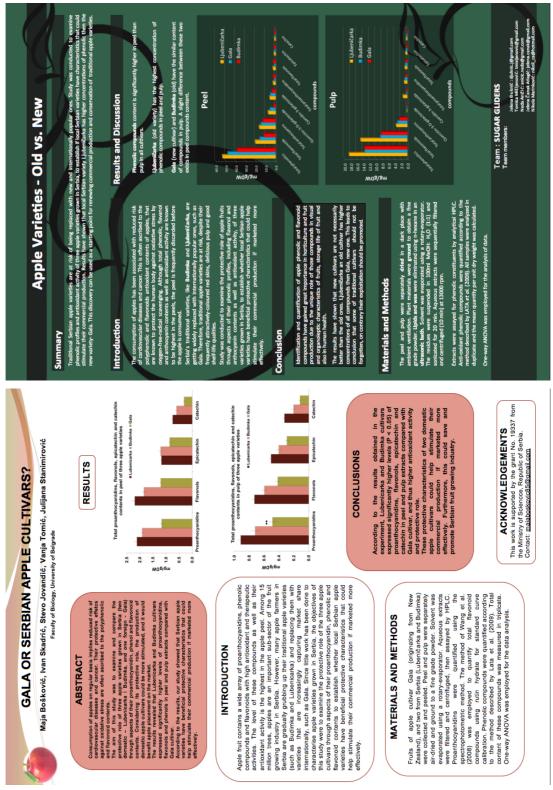
ANTENNIA compounds have gained great impacts of fruits, storage life of fruit but also in bia showed that, because of the higher References

ition. Set Bortic, 121: 176-181. And I.V. & FETT R. 2009. Activity and contents of polymers, pp. 182-205.





Building Capacity of Serbian Agricultural Education to link with Society, CaSA 544072-TEMPUS-1-2013-1-RS-TEMPUS-SMHES (2013 – 4604 / 001 - 001)



Moving on to oral presentations:

TEMPUS

CaSA

Since my post-doctoral studies I have given so far well over 100 presentations of my research at scientific meetings.

My last scientific presentation at a conference was an international in Bosnia in November 2012.



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Presentation problems over the years:

- presentation generally disorganised
- slides out of order
- occasional slides not relevant
- poor background sometimes
- slides often too complex
- slide animations too fancy
- font size too small
- no acknowledgements

Presenter problems over the years:

- not speaking clearly
- speaking too quickly at times
- looking at the projector screen too much
- reading text from the projector screen
- reading text too much from the laptop
- hesitant delivery
- waving the pointer around
- pointing at the laptop screen
- waving hands around nervously
- fiddling with coins/keys in the pocket
- shuffling from one foot to the other
- not loud enough at times
- not looking at the audience
- slides not clearly described
- fiddling with parts of the body
- poor timing of presentation
- no drink prepared beforehand
- looking around hoping for inspiration
- mobile phone not switched off
- giving presentation to the chairman
- poor use of the microphone
- no description of graphs or tables
- not checking that slides run on the computer
- Three crucial factors are key to a successful oral presentation:
- Prepare what to show
- Prepare how to show it
- Prepare the environment

Preparing what to show:

1. The content

- it has to tell a story: beginning

middle

end

- keep it as simple as possible:

don't put too much in one picture





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Prepare how to show it:

- 2. The presentation
- prepare yourself beforehand to relax
- first impressions on your audience are important
- think how to interact with your audience
- you should know more about the subject than the audience does

Prepare the environment:

- 3. The environment
- check that the file runs on the computer (have a pdf version as a backup)
- check that there is a pointer of some sort
- check whether microphone needs to be used
- check whether there is a drink
- check that your notes (if used) are in order

Note that although I shall focus on talks at a conference, the information is just as relevant for giving a student lecture.

PREPARING THE CONTENT

"Do"s and "Don't"s (1)

- # Do think carefully about how long you have for the talk:
- if you have only a 20 min talk, don't put in enough material for 30 min!

[thinking you can squeeze in a few more slides at the end means that you will either go over time or rush through the end of your talk and the audience won't follow it!]

 unless you plan to show lots of simple pictures, a good 'rule of thumb' is 2 minutes per slide, which means 10 slides for 20 min, 15 slides for 30.

[don't forget the time you need to describe any graph and table legends, axes, etc]

"Do"s and "Don't"s (2)

- # Do organise carefully what you want to present:
- decide the main message that you want to pass on to your audience
- like a short detective story, your presentation should have
 - a beginning [Introduction what is it all about?]
 - a middle [The research done to find the clues]
 - an end [How did the research solve the mystery?]
- plan the amount of detail you need to give according to the complexity of the subject and the likely level of understanding of your audience.





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"Do"s and "Don't"s (3)

- # Do give an outline or objectives of your talk:
- the audience will then know what to expect from your presentation

"Say what you will say. Say it, then say what you said!"

- # Don't confuse your audience with a complicated plot:
- you should describe a linear sequence of events leading to the solution of the 'mystery'.

[unlike a book, your audience can't go back to read a previous chapter to understand what the 'sub-plot' is about, so exclude information not essential to the story you want to tell!']

"Do"s and "Don't"s (4)

- # Don't put too much into a particular slide:
- although it might be useful for the audience to see all the details of what you did for your research. If you try to squeeze all of those details onto only one slide then it becomes very difficult for the audience to read all the words, and after a while they will just give up and they won't realise that in the middle of the text you have included a joke about Mujo and Haso well, more about Haso and Fata really, who had a very large family (normalno) of sons and every one called Mujo! When asked by a visitor how did Fata know which one of them is which, Fata replied "from their surnames." Well, it sounded funny the way my wife told it and was one of the few relatively clean jokes that I've come across; though there were some I heard when I was here during the bombing campaign ... But that's another story, and in any case I can't imagine that any of you will have bothered to read all this text all the way to the end of the page, so dosta!

Vozi Mujo bicikl i sretne Hasu. Haso ga pita:

Otkud ti bicikl?

Od komšinice.

Kako to, od komšinice? - opet će Haso.

Idem ja šumom i sretnem komšinicu kako vozi bicikl... Odjednom se ona skine, baci haljinu na jednu, a bicikl na drugu stranu, pa mi reče: "Uzmi, Mujo, što ti srce želi!" I ja ti, brate, uzmem bicikl!

Haso odobri:

Pa dobro si uradio... šta će ti haljina!

- # Don't put too much into a particular slide:
- the average brain seeing a lot of text or numbers at once has a tendency to seize up or switch off!
- once you have lost your audience with too much or too complicated information it is difficult to get them back!

[keep the information on each slide simple. Only show a complicated slide to illustrate that it is complex! Then extract what you want in a separate slide.]

If you want to demonstrate something from a large table, like the one on the next page, then after showing the full table, to illustrate its complexity, for example, extract or highlight the main points you want to make.





544072-TEMPUS-1-2013-1-RS-TEMPUS-SMHES (2013 – 4604 / 001 - 001)

A table to demonstrate the variability amongst varieties:

Data collected from a field experiment in Zajecar under irrigated and rainfed field conditions in 2000.

flowering date flowering date							flowering date flowering date										
DH line number	stem ht irrigated	stem ht rainfed	in May irrigated	in May rainfed	leaf length irrigated	leaf length length	biomass/ plant irrig	biomass/ plant rain	DH line number	stem ht irrigated		in May irrigated	in May rainfed	leaf length irrigated	leaf length length	biomass/ plant irrig	biomass plant rai
1	95.5	94	19	12	31.81	25.53	7.69	6.69	49	42.5	40.5	17	14	24.62	17.97	6.26	3.71
2	86	85.5	19	17	29.13	28.39	12.41	8.71	50	49	45	16	14	21.47	21.23	6.58	4.94
3	68.5	62.5	16	14	27.20	21.20	11.35	6.08	51	85.5	84.5	12	10	29.91	23.78	6.95	5.53
4	68.5	56	20	19	26.39	22.48	11.55	6.18	52	79	78.5	14	12	24.57	24.37	10.47	8.20
5	79	79	18	12	24.97	21.82	9.20	6.96	53	64.5	56.5	19	15	27.72	24.21	12.29	7.00
6	79.5	75	14	11	21.16	16.41	10.41	8.03	54	71.5	68.5	20	17	24.46	21.31	11.46	7.83
7	80	80	16	14	23.67	23.04	9.47	8.13	55	81.5	80	14	12	27.14	21.29	9.29	5.75
8	73.5	69.5	12	9	24.98	19.18	7.88	5.99	56	81	77.5	15	13	28.81	23.51	11.80	8.04
9	61	60	17	12	23.33	18.23	9.83	5.80	57	65.5	60	16	12	27.69	26.19	10.96	6.52
10	61	60	20	15	29.02	24.12	15.14	9.08	58	95.5	73.5	18	17	27.47	21.26	12.46	9.64
11	68	64.5	17	13	23.29	20.48	10.19	5.72	59	63.5	62	20	18	26.29	23.24	10.58	7.27
12	92.5	77.5	17	16	22.40	18.79	10.72	7.62	60	77.5 *	64.5	13	11	22.90	16.57	9.26	7.18
13	80	69	14	12	24.22	20.04	9.84	6.63	61					25.48	18.32	*	
14	86	80	19	15	27.42	20.20	11.25	6.60	62	74	67	14	14	26.81	21.57	12.65	7.63
15	69	65.5	17	14	24.37	24.35	9.75	7.25	63	64	63	20	15	23.40	23.18	8.03	4.21
16	67	62	12	10	23.28	17.83	7.39	4.49	64	62	59	17	14	29.24	23.57	11.93	7.46
17	79.5	75	14	12	24.72	20.06	6.43	4.71	65	74	68	14	13	27.23	23.15	8.30	7.41
18	63.5	63.5	21	17	23.57	22.40	9.60	6.63	66	60.5	57	15	12	22.10	21.16	10.21	8.29
19	59.5	56	21	17	26.34	21.20	11.18	7.92	67	88.5	88	14	11	29.76	22.34	9.87	7.82
20	66.5	61.5	16	15	27.76	24.21	9.74	8.09	69	67	66	18	15	26.57	22.36	7.62	5.94
21	92	87.5	12	11	27.93	19.09	8.45	5.41	70	67.5	59.5	12	11	26.19	20.67	8.87	6.80
22	65.5	63.5	18	15	22.15	21.14	8.67	5.59	71	92	92.5	13	11	29.27	21.14	8.89	7.37
23	67.5	66	14	12	26.04	21.49	7.19	6.25	72	64.5	63	13	10	21.65	20.71	7.20	4.96
24	63.5	62	19	15	20.59	20.38	10.19	6.65	77								
25	89.5	80.5	14	12	26.46	20.78	10.14	6.52	80	64	62.5	11	10	21.87	21.54	10.75	6.26
26	94	75.5	23	22	27.54	22.90	8.49	5.89	86	71	70	14	11	24.02	17.58	7.13	4.72
27	70	70.5	13	9	23.35	21.47	6.57	5.58	87	64	63	14	11	23.06	20.12	9.59	8.39
28	69.5	65.5	15	14	23.47	21.50	11.29	7.27	88	66	65	13	11	25.05	22.35	9.70	6.48
29	64.5	62	13	10	26.16	20.12	8.80	6.14	90	88	85.5	13	12	25.66	21.46	11.02	10.50
30	68	67.5	13	10	21.14	22.30	7.13	6.15	91	64	56.5	16	12	25.20	20.36	9.51	8.84
31	79.5	77.5	14	11	21.62	22.81	10.92	8.29	92	58	54	16	16	25.17	24.55	11.21	7.17
32	85	75	18	14	27.89	24.40	10.13	7.66	93	73.5	71.5	8	7	24.43	20.36	10.38	8.76
33	90.5 61.5	85.5	13	12	26.03	22.22	8.82	7.73	94 96	93.5	82.5	21 16	13 11	25.86	28.44	10.50	8.00
34 35		57	19	18 11	26.41	20.70	8.86	4.71	96	82 79	78.5 75	10	11	30.01	22.05	10.35	0.00
	75.5	69 49	13	9	24.52	19.22	5.93	5.14		97		10		27.94	25.02	8.44	5.56
36	53		10		22.75	16.35	6.79	4.24	98		91.5	19	14	27.42	25.33	9.95	6.57
37 38	67 44.5	59 41.5	12 15	8 11	23.61 21.94	21.85 16.73	7.87 6.66	4.83 3.35	99 102	83 80	69.5 69	18 16	17 14	29.24 26.68	20.84 22.54	11.05 12.30	6.94 8.78
38 39	79.5	41.5 76	13	11	26.31	21.90	9.15	8.43	102	70	69	16	14	24.80	22.54	12.30	7.91
39 40	79.5 52	76 41.5	15	13	19.33	17.54	6.89	3.67	104	70 62	60	19	13	25.89	20.02	10.15	6.41
41	52 66	41.5 64	15	16	21.98	17.54	8.43	5.25	114	50.5	47.5	15	13		19.26	9.66	6.18
41	42	41	19	16			6.45		114	50.5 78.5	47.5 67.5	12	12	19.58	20.42		6.08
42	64	57.5	16	13	24.31 26.48	19.98 22.21	8.97	3.55 5.98	124	72	64.5	17	16	25.31 24.80	19.97	12.69 12.18	6.97
	65.5	63									70						
44 45	84	84.5	17 18	16 15	25.80	23.11	9.13 10.78	6.41 8.05	127 128	71.5 83	70 79	15 17	13 15	26.38 25.87	24.19 22.74	10.96 9.65	7.95 7.44
45 46	82.5	79.5	15		26.28	21.79 22.02	9.88	7.66	143	83.5	79 77		15			9.65	
46 47	82.5 44.5	79.5 42	17	13 15	24.46 20.70	17.69	9.88 5.91	4.57	143	43.5	43	14 13	12	24.23 24.49	20.90 19.56	9.35 5.83	6.71 3.47
47	70.5	42 67.5	17	17	23.89	17.69	12.06	8.12	144	43.5 72.5	43 67	13	10			9.66	7.33
40	10.5	01.0	ıυ	17	20.09	13.04	12.00	0.14	140	12.0	07	14	14	24.87	17.95	9.00	1.33

(now highlight the main points)

Here are examples emphasising the phenotypic diversity of the population:

Flowering date differences

Plant height differences

			flowering date					
	stem ht		in May	in May		leaf length		biomass/
number	irrigated	rainfed	irrigated	rainfed	irrigated	length	plant irrig	plant rain
25	89.5	80.5	14	12	26.46	20.78	10.14	6.52
26	94	75.5	23	22	27.54	22.90	8.49	5.89
27	70	70.5	13	9	23.35	21.47	6.57	5.58
28	69.5	65.5	15	14	23.47	21.50	11.29	7.27
29	64.5	62	13	10	26.16	20.12	8.80	6.14
30	68	67.5	13	10	21.14	22.30	7.13	6.15
31	79.5	77.5	14	11	21.62	22.81	10.92	8.29
32	85	75	18	14	27.89	24.40	10.13	7.66
33	90.5	85.5	13	12	26.03	22.22	8.82	7.73
34	61.5	57	19	18	26.41	20.70	8.86	4.71
35	75.5	69	13	11	24.52	19.22	5.93	5.14
36	53	49	10	9	22.75	16.35	6.79	4.24
37	67	59	12	8	23.61	21.85	7.87	4.83
38	44.5	41.5	15	11	21.94	16.73	6.66	3.35
39	79.5	76	13	12	26.31	21.90	9.15	8.43
40	52	41.5	15	13	19.33	17.54	6.89	3.67
41	66	64	19	16	21.98	19.62	8.43	5.25
42	42	41	19	16	24.31	19.98	6.45	3.55
43	64	57.5	16	13	26.48	22.21	8.97	5.98
	0 = =		4		0 = 0 0	00 44		

(give a couple of illustrations)

- "Do"s "Don't"s (5) and
- # Do use as much of the slide as possible:
- what is the point of having the space if you don't use it? However, beware of going right to the edge as the projector or screen may cut off some text.







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Do"s and "Don't"s (6)

- # Do use a large font size wherever possible:
- the larger the better, so that people can read the text easily.

This example, is 20 point Arial bold.

This example, is 12 point Arial bold.

"Do"s "Don't"s (7) and

- # Don't use a fancy font for your text:
- Sans serif fonts are easier to read than serif fonts: Sans-serif font examples (all 12 point):

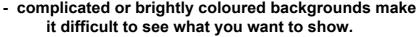
Arial, Arial Narrow, Calibri, Helvetica, Geneva, Monaco.

Serif font examples (all 12 point): Bookman Old Style,

Courier, Garamond, Times New Roman

- Simple fonts (like Arial) are better than fancy fonts like Comic Sans MS (Bold), Edwardian Soript ITO, Lucida Handwriting

"Do"s and "Don't"s (8) # Do avoid distracting (obtrusive) backgrounds: - typing text directly on a background image can make it difficult to read easily, like this example... Experiment [1]: Water was boiled in a coffee kettle. A graduated jug was used to measure 2dl of boiling water that was poured in each of five glass beakers containing 1g of coffee, with a 2 min interval in between. [From a 2011 student presentation.] # Don't try to use every gimmick (gadget) that PowerPoint has to offer: - text or graphics that take a long time to appear or zoom wildly across the screen with sound effects can be either boring to wait for, embarrassing or distracting to listen to.

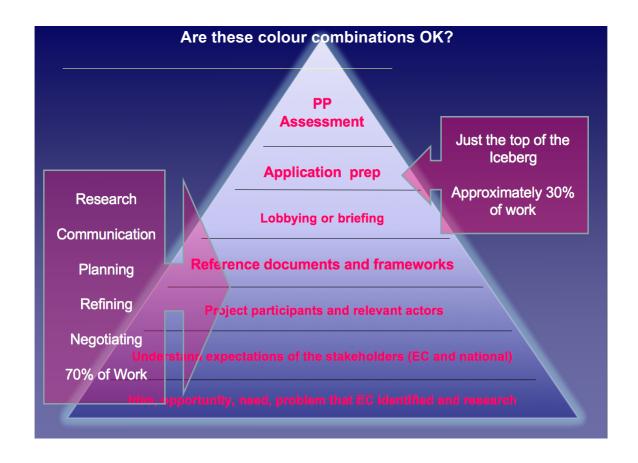






"Don't use a dark background with light colours for text or graphics:

[this was common in the days of 35 mm slides]
- using a dark background often means that the lights
in the room have to be reduced to see the foreground material easily, and this:
a) makes it difficult for the audience to see to make notes, and b) facilitates older members of the audience falling asleep!
Do use colour combinations that make text and graphics easy to see:
- what looks fine on your computer screen may be difficult to see if the screen is too well lit, as shown here ...







PREPARING THE CONTENT (cont.)

"Do"s and "Don't"s (11)

- # <u>Do provide accompanying text to all your figures and graphs:</u>
- this is helpful, in case the audience didn't hear everything you said
- if you think you will talk too quickly because of nerves, making short sentences of text appear every mouse click may help to slow you down!
- # Don't forget to include acknowledgements:
- it is easy to forget to acknowledge all the people who helped you with the work, and especially funding sources for the work.
- maybe if you give the Acknowledgements at the beginning, you won't forget them at the end!

"Do"s and "Don't"s (12)

- # Don't leave the talk preparation to the last minute:
- completing what you plan to show in good time will give you time to think about the presentation and feel more confident and relaxed about it
- a last minute panic is not a good recipe for a well-presented talk! [See the first YouTube video on page 24.]

"Do"s and "Don't"s (13)

- # <u>Do make notes of what you want to say (unless you are experienced!)</u>:
- write down the main point(s) for each slide
- # Don't write out every word you want to say:
- unless you feel uncomfortable describing the whole slide (for example if giving a talk in English), don't write down every word you intend to say, as you will be tempted just to read the words and forget to describe what is shown in each slide and to interact with the audience.

[Also, reading from a prepared text often results in you talking too quickly.]





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PREPARING THE CONTENT (cont.)

"Do"s and "Don't"s (14)

Do rehearse the timing of your presentation:

- you will become more confident in presenting it
- you will identify any bits that still don't feel right
- you will be able to get the timing just right.

Do rehearse the presentation with your peers:

- that will get you used to speaking in front of others
- they will be sympathetic and help with improvements
- you will identify any bits that still don't feel right
- you will be able to get the timing just right.

PRESENTING THE TALK

"Do"s and "Don't"s (1)

Do prepare yourself properly before the start:

- Try to relax some deep breaths from your diaphragm and relax your shoulder muscles
- check that your notes (if any) are in order
- have a pdf version of your talk available in case of problems
- check that you have a drink ready in case you need it
- check how the microphone works if you need to use it
- check that a pointer of some sort is available if you want it

Don't let your nerves get on top of you!

learn how to relax mentally and physically.
 Some examples to help you are on the next slide.

This selection of videos illustrates some points to help you overcome nerves and other points to avoid:

Perfect World - Presentation Nerves:

http://www.youtube.com/watch?v=VflpD_8wdjw&list=PL81FBE0CE096AA 8B0&index=1&feature=plpp video

Alan Donegan - nerves [turn down the volume!]:

http://www.youtube.com/watch?v=cTaDR 4597E

Andrew Bryant - overcoming fear of public speaking:

http://www.youtube.com/watch?v=7PAwPOBITho&feature=related

Tom Breeze - public speaking fear:

http://www.youtube.com/watch?v=xiZoTM-2oSI&feature=related

David Hyner - handling nerves:

http://www.youtube.com/watch?v=dr-eY1kY1Ic

How many errors can you find?

http://www.youtube.com/watch?v=wXILI9Q1jlw

TJ Walker - find the 10 mistakes:

http://www.youtube.com/watch?v=BBthvuOQpKc

Marc Anthony (a former drama teacher) - 10 mistakes:

http://www.youtube.com/watch?v=DVP 6fENXKo&feature=related





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Hopefully, you will control your nerves better than this: http://www.youtube.com/watch?v=inDf6-TUq5s&feature=related

Getting nervous before a presentation is normal

- even I do this! [- and not just in front of students!]
- deep breathing from the diaphragm,
- loosen your shoulders to relax the muscles,
- be 100% familiar with what you will say,
- look confident at the start (despite your nerves).
- remember that the audience wants you to do well!

I gave a talk *in Serbian* to schoolteachers in Dom Sindikata in June 2010.

I survived by partly speaking directly at the audience in Serbian, and partly reading Serbian text on the screen (when I couldn't work out what to say in a sentence in Serbian quickly enough)!

"Do"s and "Don't"s (2)

- # Do think carefully beforehand about how you will start your talk:
- first impressions on your audience are important
- it may help to memorise your first one or two sentences:
 - "Thank you for the invitation";
 - "My first time in Vrdnik";
 - "Sorry you had to get out of bed so early to come to my talk"; etc!

[it is better to start by talking directly at the audience]

- count to five, take a deep breath, then begin!
- # Don't leave your mobile phone on:
- your wife/husband/girlfriend/evening's date could ring you in the middle of your presentation!

"Do"s and "Don't"s (3)

- # Do get your audience's attention at the start:
- start speaking slowly!
- start speaking in a clear voice that will be heard at the back of the room!

[Use the microphone if required - described later on]

- start by speaking directly at them (not the chairman)!
- # Don't rock from one foot to the other or sway from side to side:
- like the behaviour of the polar bears in the zoo, this is a sign of stress!
- don't do the 'symposium speaker's shuffle', especially if the floor creaks!





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PRESENTING THE TALK (cont.)

"Do"s and "Don't"s (4)

Do try to communicate with your audience:

- address your comments to the audience and not to the screen! [This is easier when using a laptop.]
- look at your audience, at least from time to time!
- make statements in the form of questions:

"so what did we find?"

"what was the reason for this?"

"how was this achieved?"

[This helps to keep their attention]

- # Don't turn your back on the audience:
- keep your body facing the audience at all times
- turn your head if you need to look at the screen.

"Do"s and "Don't"s (5)

- # Don't read your talk to your audience:
- reading from a prepared text makes it hard to communicate with your audience

[Remember the example earlier of reading too fast.]

- reading text from the laptop screen is also a risk to lose contact
- use the words on the laptop screen only to remind you what to say next.
- # Don't speak in a boring tone of voice:

(see, well, listen to: http://www.youtube.com/watch?v=APp146G88jA)

- the audience will lose interest in you quickly!
- use the qualities of your vocal instrument (speed, volume, pitch, tone) to keep the audience awake!

"Do"s and "Don't"s (6)

- # Do move around occasionally if possible:
- unless you are asked to stay at a lectern (to use a fixed microphone, for example) move around so that you keep the audience's attention
- move around, though, to make it look as if there is a purpose to it!
 - towards the screen to point something out
 - towards the audience to emphasise something
- move around when necessary to avoid blocking permanently anyone's view of the screen.

[Take the microphone with you and use it as if it is part of you!]

- # Don't use a lectern like a fortress to hide behind:
- it encourages bad habits like fidgeting and bad posture, so stand to the side of it if you can.





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A lectern could also be a problem if you are "vertically-challenged"!



"Do"s and "Don't"s (7)

- # Do use a microphone correctly, if it is required:
- get close enough to it for it to amplify your voice!
 Adjust the volume of your voice for the degree of amplification provided.
- when you move around, take the microphone with you if possible, and treat it as if it is part of you!
- # Don't fidget or play with the loose change/keys in your pockets:
- hearing the constant noise of clattering coins or keys can be very distracting! Also

"Do"s and "Don't"s (8)

Ladies (and men?): Don't fidget or play with your hair (or any other body parts)!:

[http://www.youtube.com/watch?v=YivQYeI0vys]

"Do"s and "Don't"s (9)

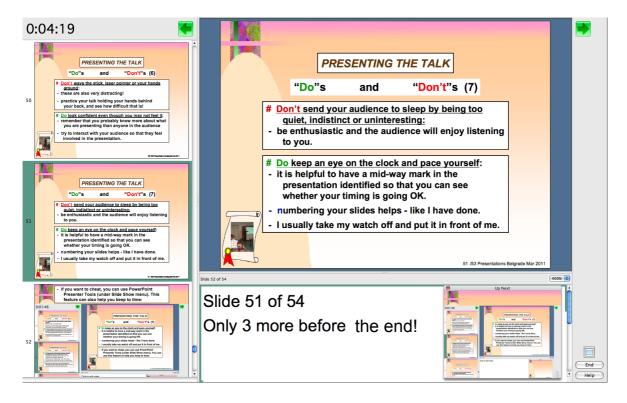
- # Don't wave the stick, laser pointer or your hands around:
- these are also very distracting!
- practice your talk holding your hands behind your back, and see how difficult that is!
- # Do look confident even though you may not feel it:
- remember that you probably know more about what you are presenting than anyone in the audience
- try to interact with your audience so that they feel involved in the presentation.

"Do"s and "Don't"s (10)

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- # Don't send your audience to sleep by being too quiet, indistinct or uninteresting:
- be enthusiastic and the audience will enjoy listening to you.
- # Do keep an eye on the clock and pace yourself:
- it is helpful to have a mid-way mark in the presentation identified so that you can see whether the timing is going OK.
- numbering your slides helps like I have done.
- I usually take my watch off and put it in front of me.
- you can also put the time on your slides as a footer.
- if you want to cheat, you can use PowerPoint Presenter Tools (under Slide Show menu). This feature can also help you keep to time:





- "Do"s and "Don't"s (11)
- # <u>Do concentrate on varying your speed, volume and look at</u> the audience!!!
- # Do send the audience home with the feeling that they have enjoyed the experience.

And if you've done your 3 *Preparations* - so should you!

LECTURING TO STUDENTS

Note that much of what I have said here also applies to professors maintaining contact with their students and interacting with them while giving lectures.

However, for any sort of public speaking there has to be a balance between **entertainment** and **pedagogy**!

You have to maintain contact and interaction with your audience, though, or they lose interest in your words of wisdom - whether they are students or conference participants.

However, to be an effective lecturer you also have to achieve effective *simultaneous learning* by the student.

Making it *interesting* for your students to listen to and involving them *actively* helps *learning*.



